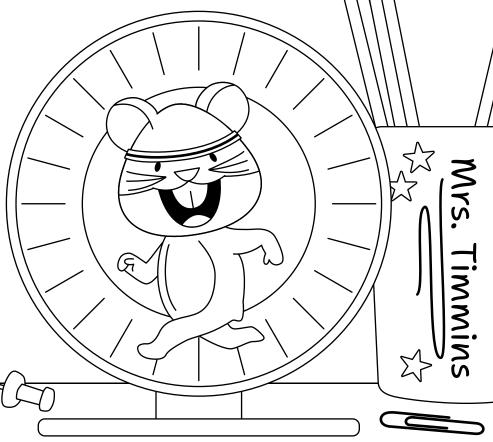


Meet Bitsy, a pet hamster in Mrs. Timmins' second grade classroom. She loves running on her wheel, FOOD, and spending time with her friends in class.

But Bitsy has a secret. She's not just running on a wheel — she's training to be an astronaut! Her dream is to explore beyond the classroom and go all the way to outer space! And, after working hard every night after school, her rocket ship is finally ready ...





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- 12 Planet fun facts
- 16 Ingredient spotlight: nutrition that's out of this world
- 18 How does the sun heat the Earth?
- 20 Imagining alien teeth



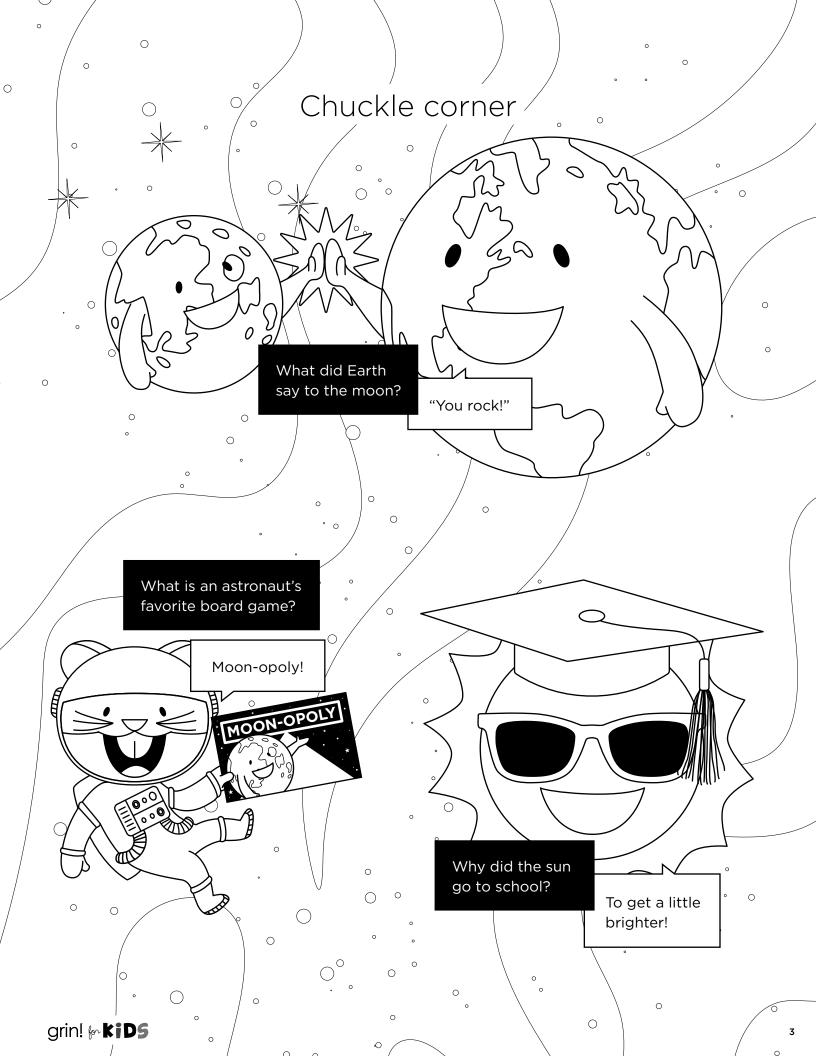
ACTIVITIES

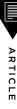
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ARTS + CRAFTS

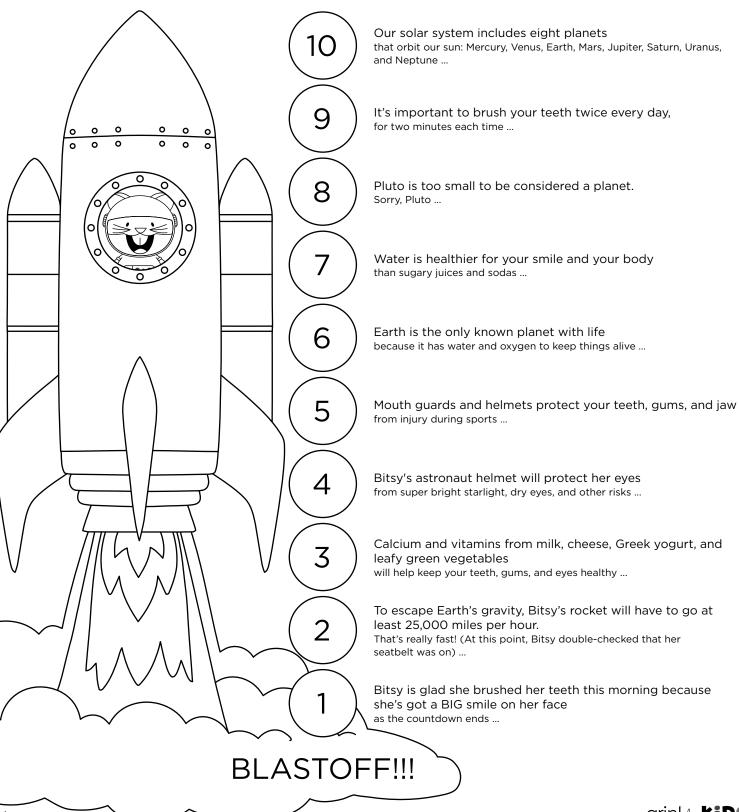
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Mission countdown

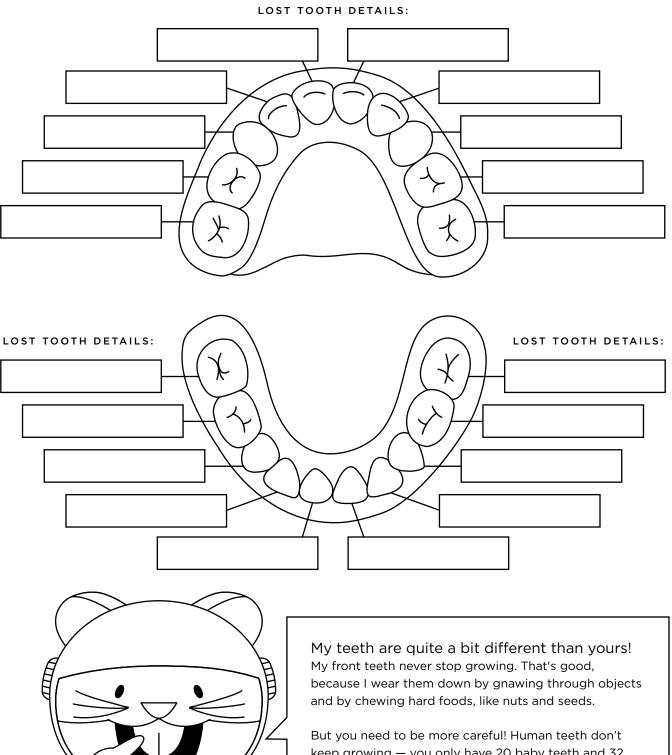
One night, after the students went home for the day, Bitsy was ready to launch her rocket and start her journey to the stars. She was very excited. But she was also nervous! What if she hadn't brought enough fuel? What if she forgot to pack her toothbrush? Suddenly, the countdown began! To calm her nerves, Bitsy thought about that day's classes and what they had learned. She remembered one fact for each second of the countdown.





Cosmic tooth counter

Use this page to keep track of every tooth you lose. All you need to do is color in your teeth as you lose them! You can also mark your age and where it fell out.



keep growing — you only have 20 baby teeth and 32 adult teeth in your lifetime, so take good care of them.

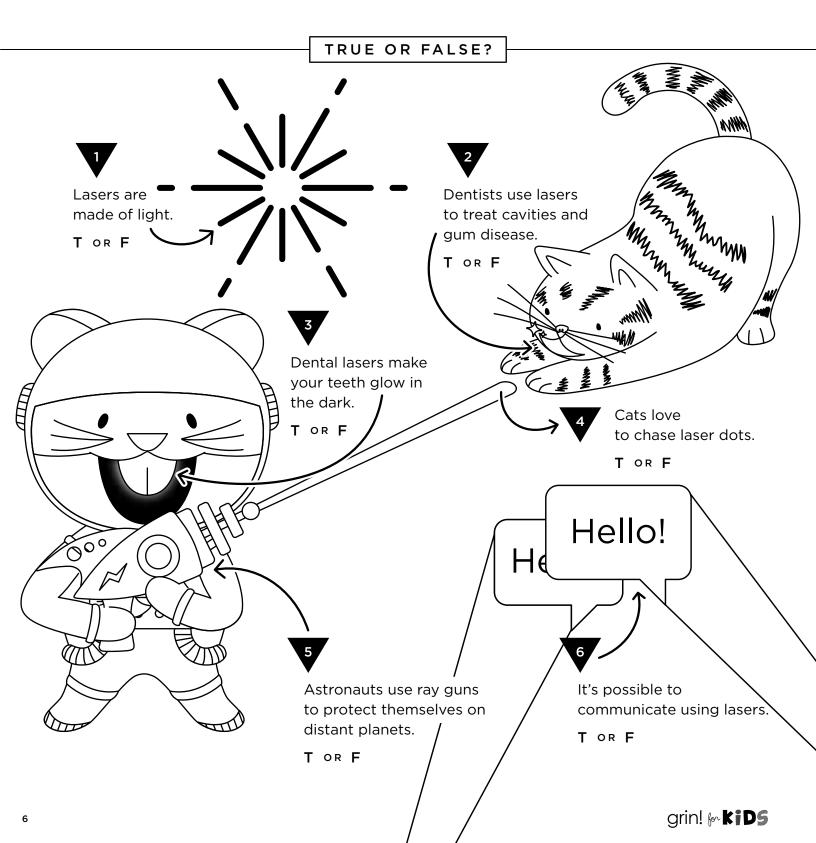
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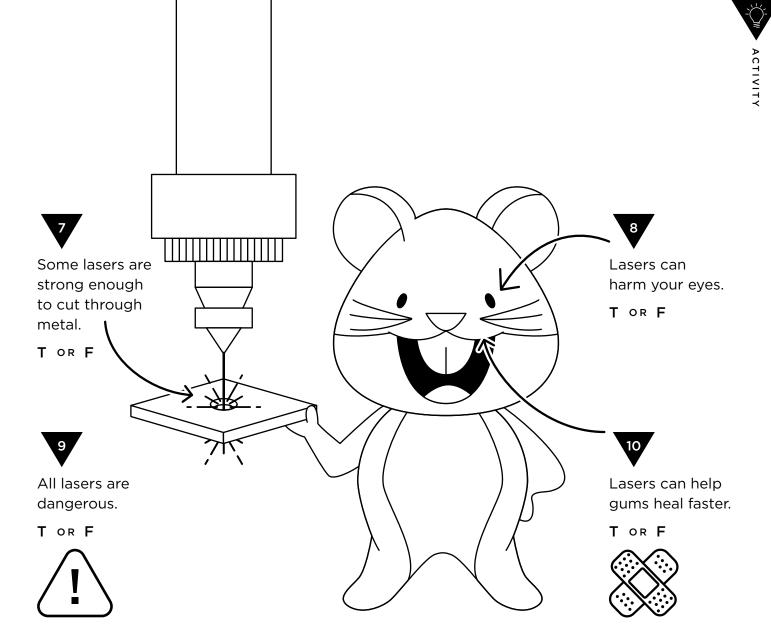
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Lasers! Which are real and which are fake?

Lasers are powerful beams of light that can do amazing things! Some lasers are real and used in everyday life, while others are just fun inventions for movies and TV shows.

Take this true or false quiz to test your laser logic. Just read the questions and circle 'T' for True or 'F' for False. When you are done, check the answers at the bottom of the next page.





ANSWERS



TRUE

Lasers are powerful, focused beams of light.



RUE

Lasers can help fix cavities and treat gum disease.



FALSE

Your teeth will not glow in the dark after visiting the dentist, but your smile will be healthier.



TRUE

Many cats (and some dogs) love chasing red laser pointer dots.



FALSE

Ray guns are just for fun in books, TV shows, and movies.



TRUE

Scientists have used laser technology to send messages as far as 10 million miles away.



TRUE

Special lasers are used in factories to cut metal and other materials.



TRUE

Be very careful not to look directly at a laser or laser pointer, as you can hurt your eyes or permanently damage your vision.



FALSE

Many lasers, like laser pointers, barcode scanners, and those used in dentistry, are safe when used the right way.

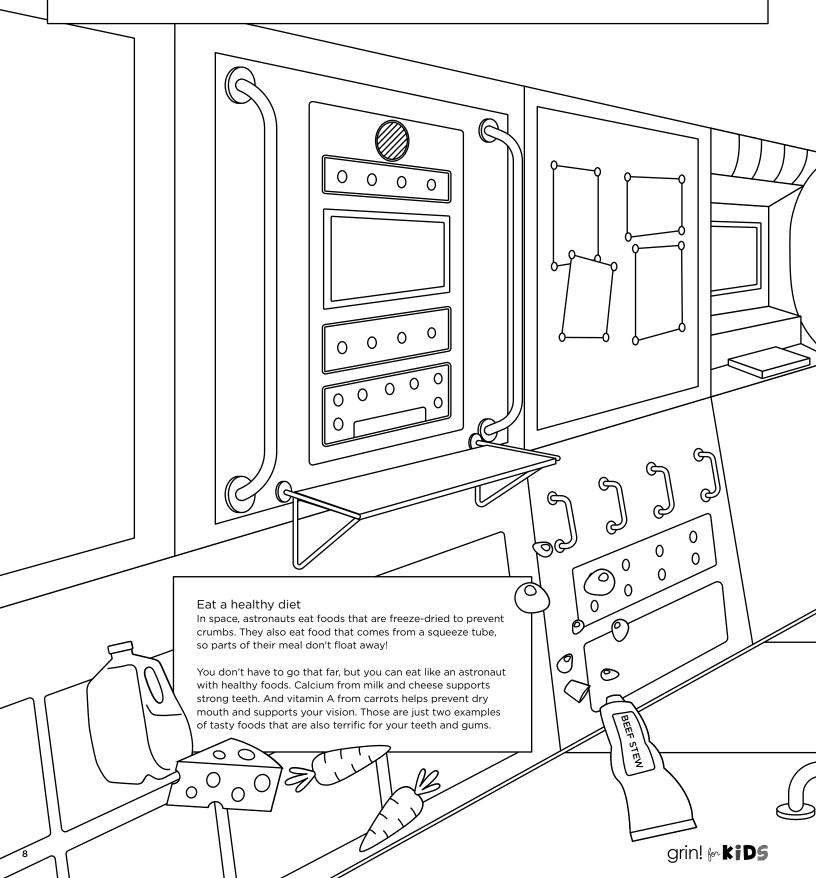


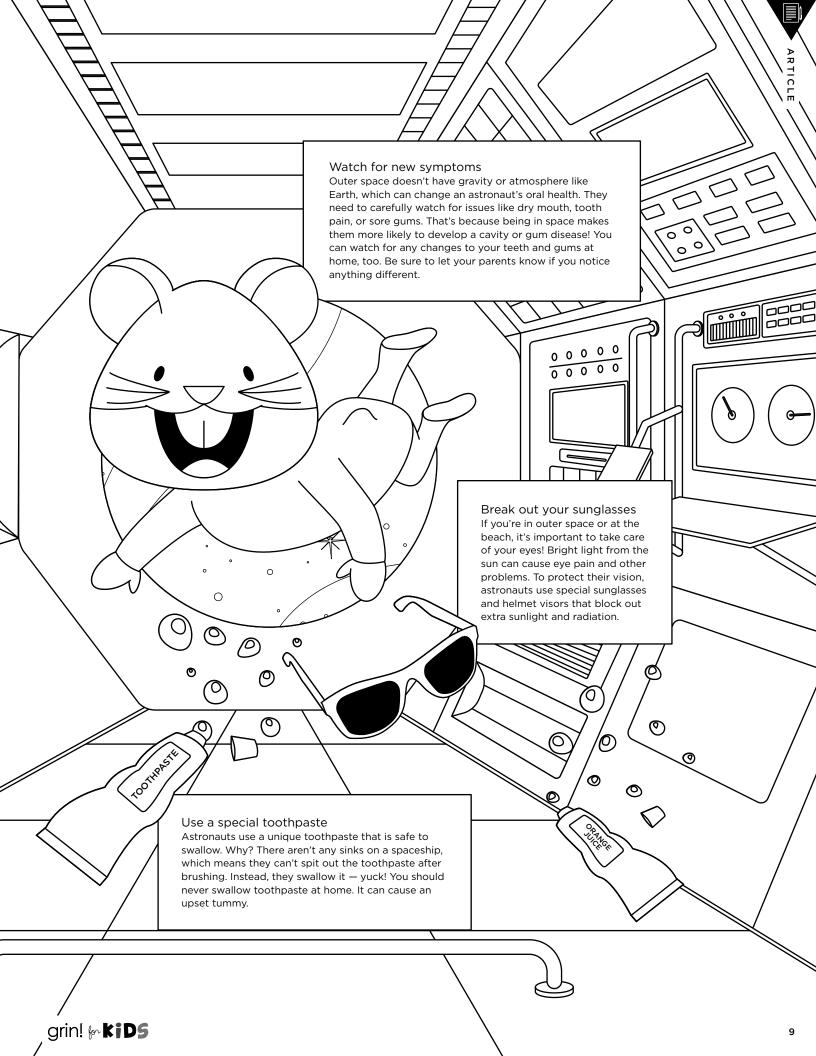
TRUE

They help reduce swelling and speed up healing.

How astronauts stay healthy in space

As Bitsy breathed in and out, excited about all the incredible things in outer space, she noticed a stale smell in her helmet ... Oh! It was time to brush her teeth! Luckily, Bitsy had watched Mrs. Timmins explain how astronauts take care of their teeth, and she was prepared.





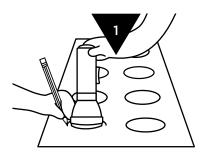
Flashlight constellations

Back when Bitsy was in the classroom, she used to look at the stars and wonder what was out there. Now, she's traveling to them! Ask a grown-up to help find the items listed below. Then, make your own constellations.

HERE'S WHAT YOU NEED -

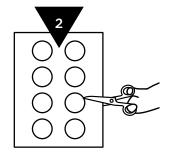
- Tape
- Scissors
- · A flashlight
- Sheets of black construction paper
- A pen, pencil, or hole punch

HERE'S HOW TO MAKE IT

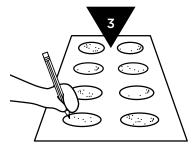


Place the flashlight face down on the construction paper and trace around it.

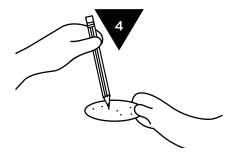
Repeat several times to make multiple circles.



Use scissors to cut out the circles.



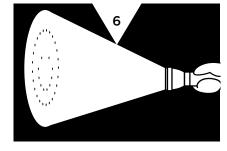
Copy the constellation patterns below onto your circles (or create your own). You may need to make the pattern bigger or smaller, depending on the size of your flashlight.



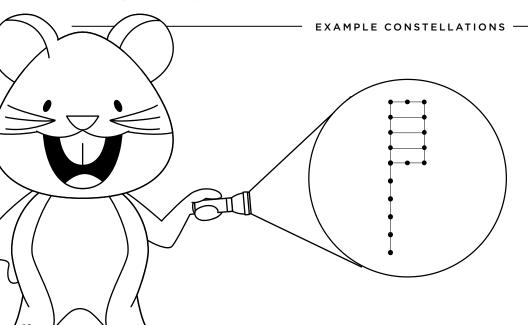
After adding the patterns to your circles, punch holes in each dot with a pen, pencil, or hole punch.

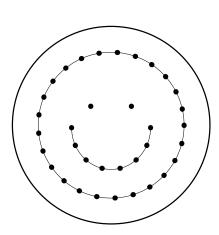


Tape your constellation to the top of the flashlight, in front of the light.



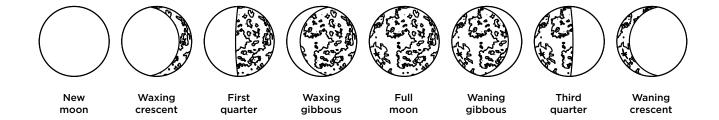
Find a dark room or wait until it is dark outside, then shine your flashlight on a wall or ceiling to see your constellation.





Phases of the moon

Bitsy looked out the window of her rocket ship and couldn't believe it — she was passing the moon! At home in her classroom, she used to love looking out the window tracking the phases of the moon in the night sky.



The phases of the moon

At night, we can see the moon because light from the sun is bouncing off it. When more light is bouncing off the moon, it looks big and round. And when less light is bouncing off the moon, it can look like a tiny sliver in the sky — or we can't see it at all!

Use this tracker to look up at the moon each night and draw what you see, just like Bitsy did:

The phases of your smile

Date observations started: _

Your oral health goes through different stages, just like the moon changes in the sky! From teething to baby teeth to permanent teeth, your oral health will continue to change over time. Just make sure you keep brushing, flossing, and visiting the dentist regularly.

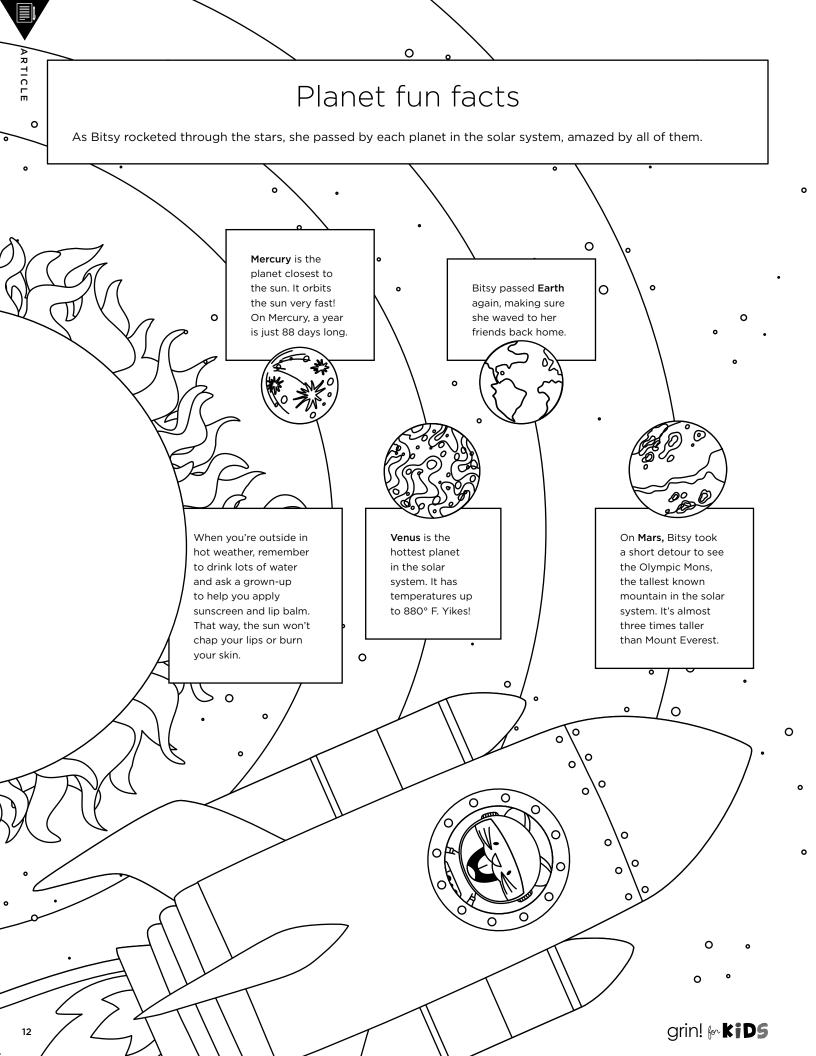
The phases of your health It's not just your smile — your overall health and vision health develop over

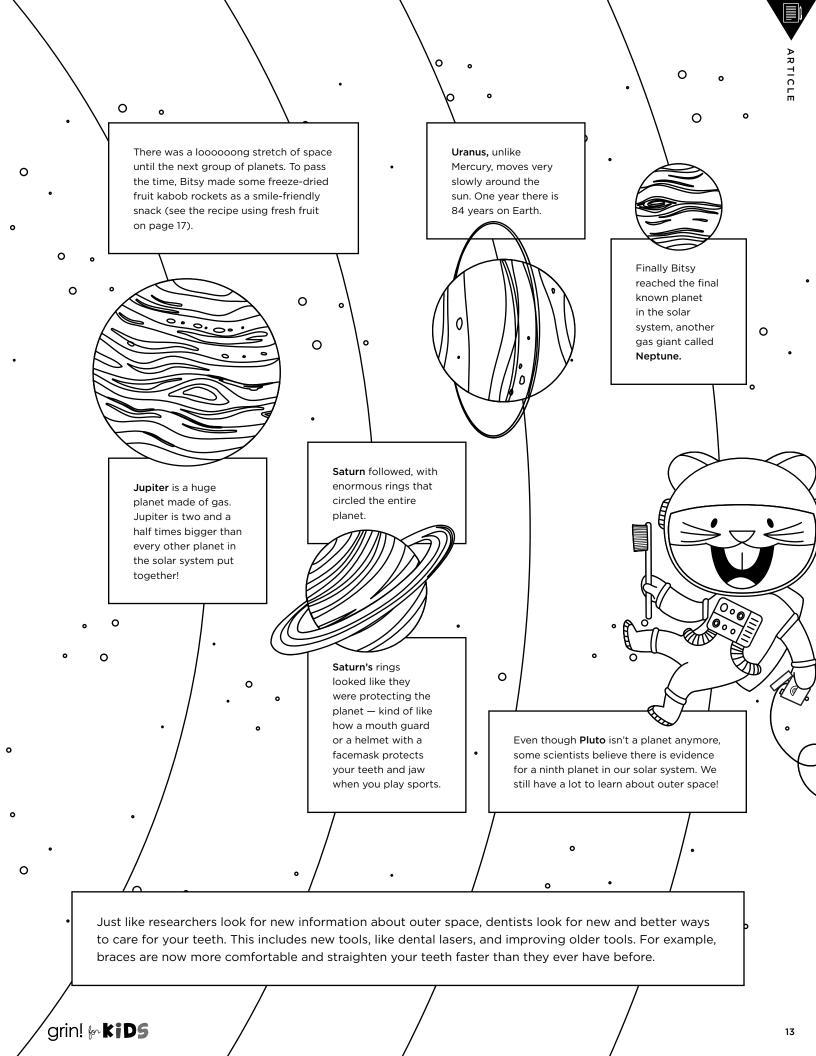
Time to check the moon each night: _

health and vision health develop over time, too. For example, babies can't see all colors until they are 6 months old.

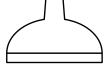


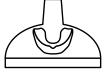
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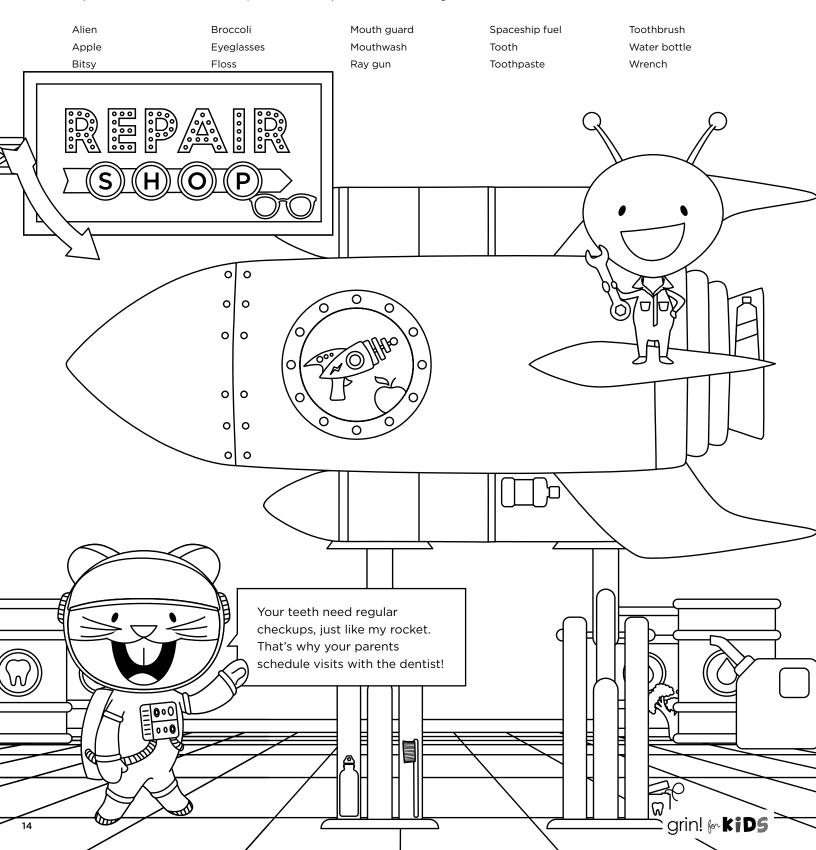




Spaceship repair

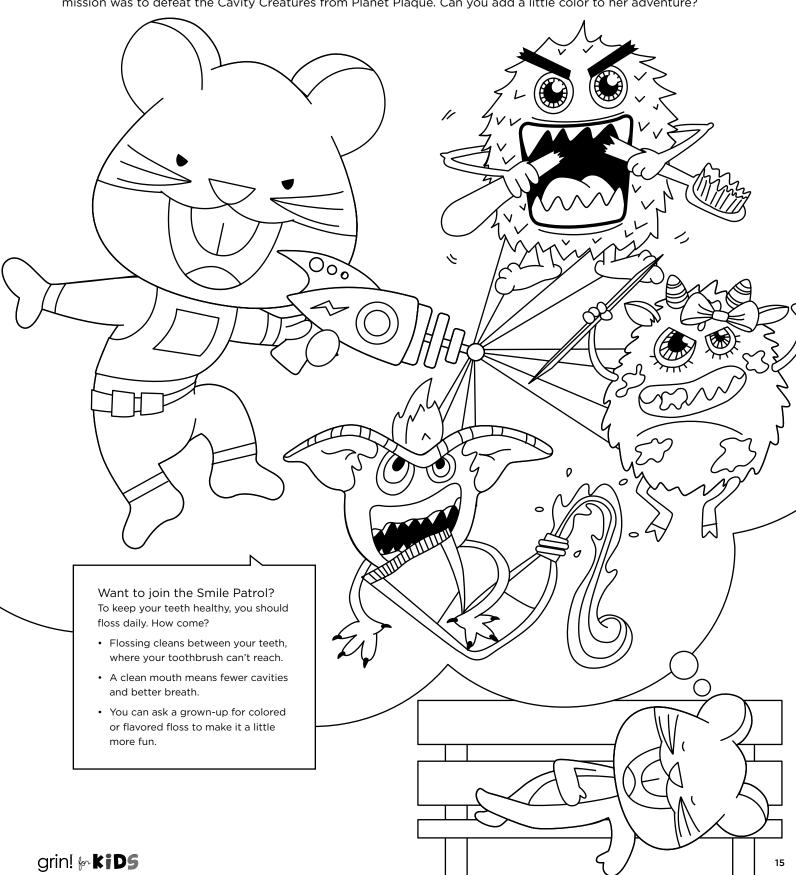
After Bitsy passed Neptune and left our solar system, she noticed her rocket ship making some weird noises. Time for repairs!

Bitsy pulled into an alien repair shop full of things she'd never seen before (and a few familiar oral health items). She couldn't wait to explore while she waited for her ship to be fixed. Help her find the following items while she waits:



Commander Floss vs. the Cavity Creatures

While Bitsy waited for the repairs, she sat down on a bench and took a nap. She loved space so much, she even dreamed about it! In her dreams, she wasn't Bitsy. She was Commander Floss of the elite Smile Patrol, and her mission was to defeat the Cavity Creatures from Planet Plaque. Can you add a little color to her adventure?



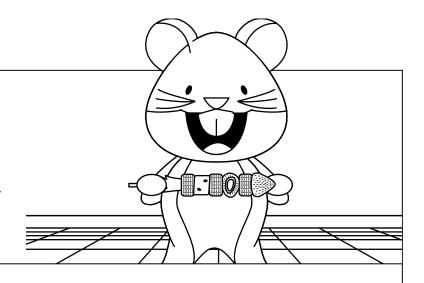


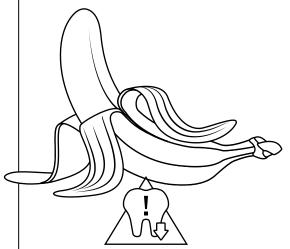
INGREDIENT SPOTLIGHT

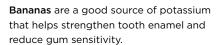


Nutrition that's out of this world

Want to eat fresh, tasty foods that also keep your smile strong and healthy? Make these fruits the star of your next snack time:

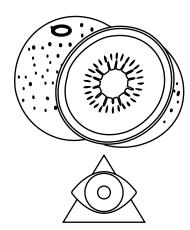




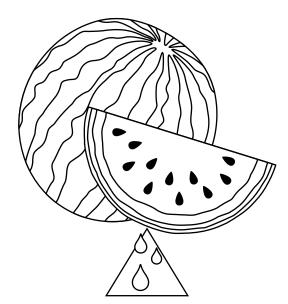




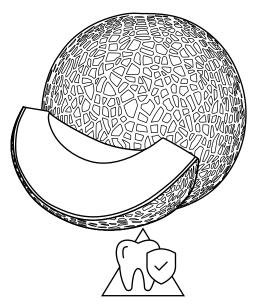
Strawberries and other berries are packed with vitamin C, which is important for strong gums and eyes.



Kiwis have calcium for strong teeth and vitamin A for healthy eyes.



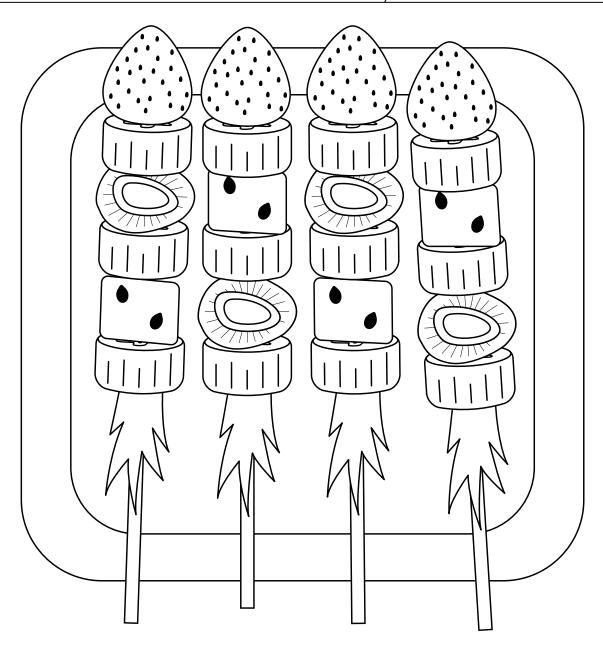
Watermelons boost saliva production, which helps keep your mouth clean.



Cantaloupe is another good source of vitamin C. It also has less natural acid than many fruits, so it won't damage your teeth.



MOUTH-FRIENDLY RECIPE



Fruit kabob rockets

Explore the universe — and the oral, vision, and overall health benefits of different fruits — with these stellar fruit kabob rockets!

INGREDIENTS:

- Fresh fruit of your choice, enough to fill at least 3-4 skewers Note: Can make a fresh veggie kabob if you prefer
- Disposable skewers

DIRECTIONS:

- 1 Ask a grown-up for help.
- 2 Wash the fruit (if needed).
- 3 Have a grown-up help you slice the fruit.
- 4 With their help, slide the fruit onto the skewer.
- **5** Start with the biggest pieces of fruit first, so they're at the bottom of the rocket (skewer).
- **6** Keep going until you fill the skewer and complete your rocket.
- 7 Enjoy your snack! Be sure you pull the fruit off the kabob to eat it and don't put the sharp skewer in your mouth.



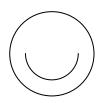
How does the sun heat the Earth?

At this point in Bitsy's journey, the sun was just a tiny dot in the background. It was hard to even find it among the other stars. This made her wonder — how does the sun keep the Earth warm?

How does the sun help us?



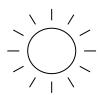
It keeps Earth warm. Without the sun, our planet would be too cold for plants or animals to survive.



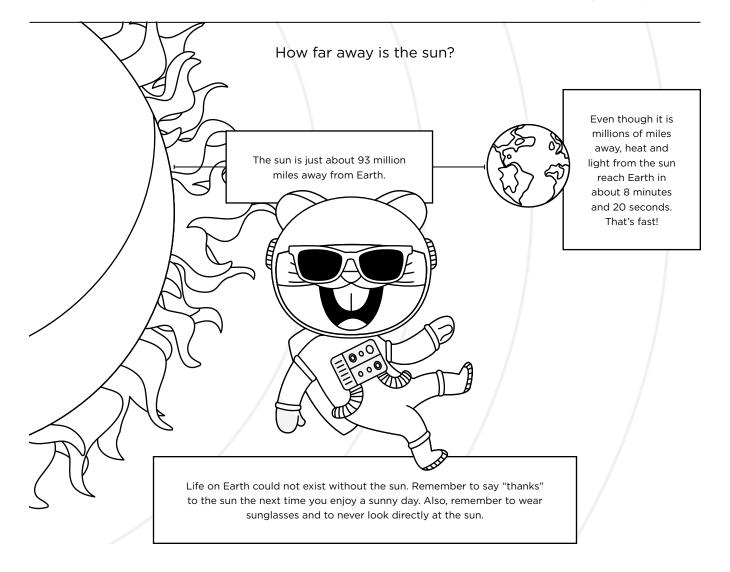
It helps your smile. Vitamin D from the sun helps your body absorb calcium for stronger teeth. Time in the sun can also put you in a better mood.



It feeds plants. Plants use sunlight to make food through a process called photosynthesis.



It gives us daylight. The sun lights up the sky so we can see and play outside. And at night, the moon is simply reflecting the sun's light from space.

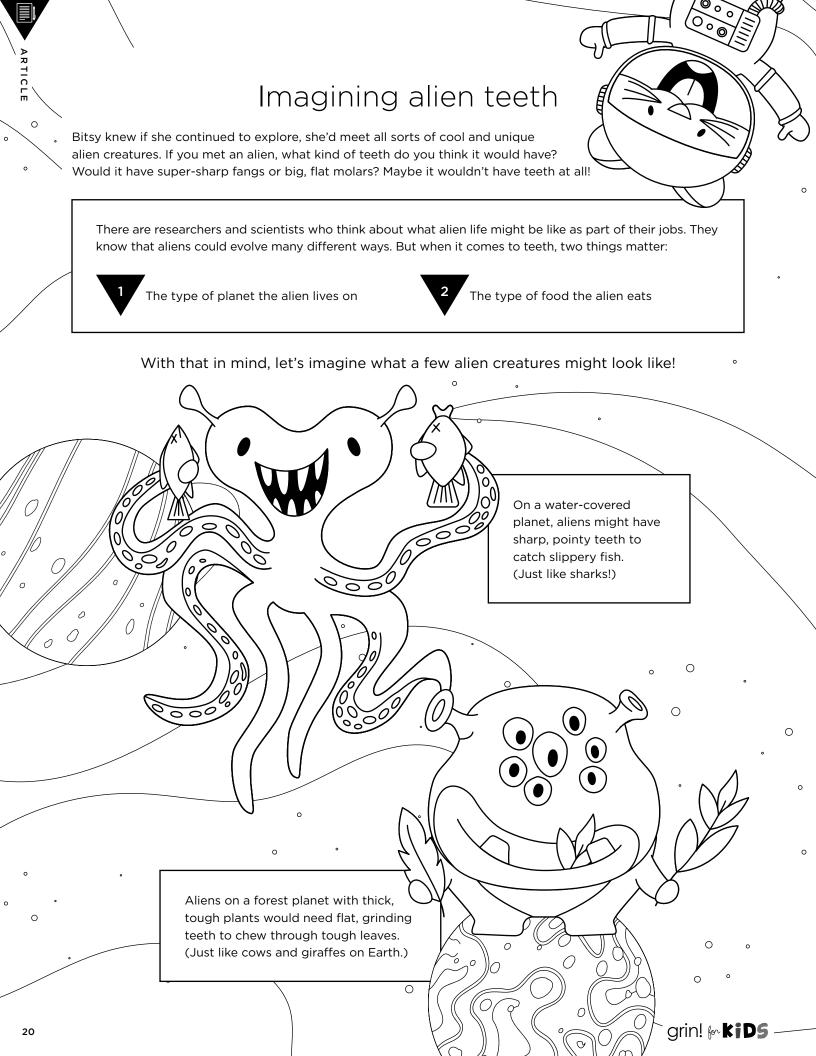


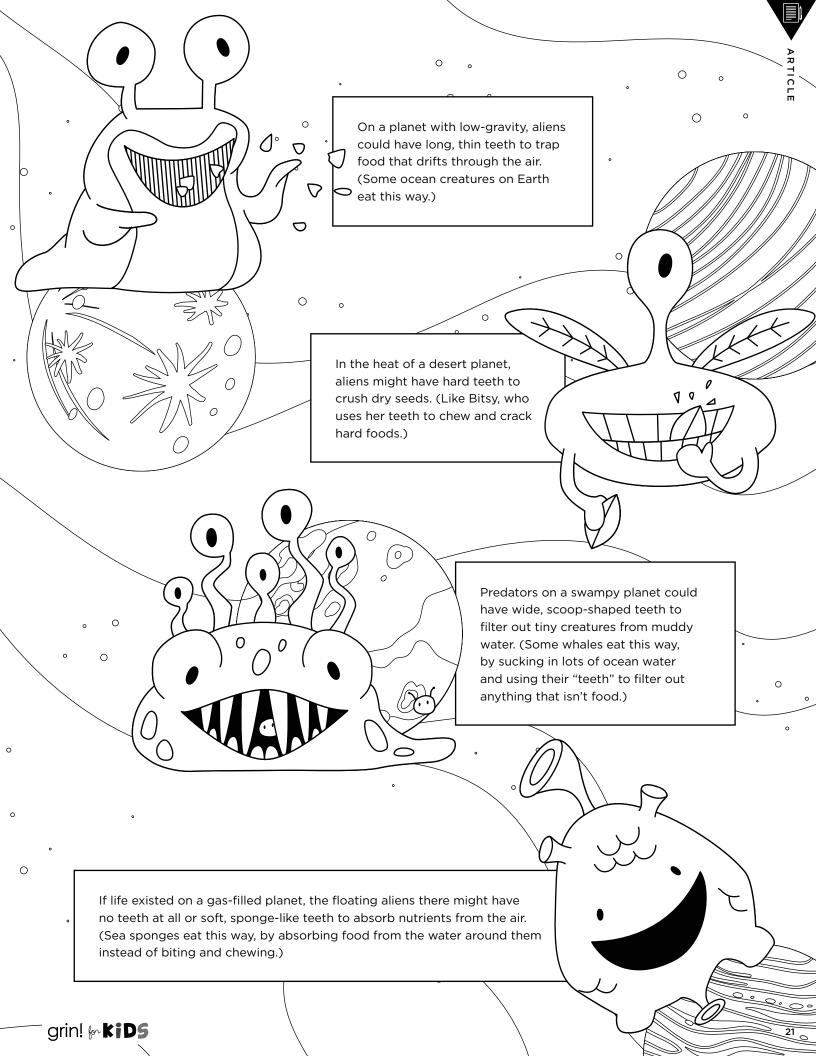
Write a letter from space

Bitsy spent a few more days exploring the galaxy, but she really missed her friends back home. One day, she decided to write them a letter! Can you help her finish the message? Fill out this mad lib using silly ideas and words to help Bitsy share her amazing outer space adventure!

Hello! I miss you all very much. You wouldn't believe the things I've seen in outer space. Right now, I'm halfway across the galaxy! The other day, I stopped for		T
halfway across the galaxy! The other day, I stopped for		
halfway across the galaxy! The other day, I stopped for	\bigcirc	
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		Hello! I miss you all very much. You wouldn't believe the things I've seen in outer space. Right now, I'm
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	$\overline{}$	halfway across the galaxyl
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		nati way across the galaxy:
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I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	<u> </u>	The other day, I stopped for on a planet with lots of The creatures who
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		
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I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	J	loved s and st
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	$\overline{}$	TYPE OF FRUIT TYPE OF VEGETABLE
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I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	<u>ب</u>	But while we were eating, I noticed my and were missing. I didn't want
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	$\overline{}$	
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	\mathcal{I}	FOOD OR BAD SMELL
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	_	
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	\mathcal{I}	
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		I followed some tracks that led away from my rocket. Eventually, I found a group of huge
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		
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I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	\bigcirc	At first, I was , but then I noticed the aliens' teeth — they were covered in .
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		FEELING SOMETHING GROSS
I gave them extra s and s from my rocket. Before I took off, we all gave each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	\frown	They didn't want to hurt me, they just wanted fresher breath. Whew!
each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		
each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	$\overline{}$	
each other big, healthy smiles. That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,		T gave them extra s and s from my rocket Refore T took off we all gave
That was just one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon! Love,	$\overline{}$	ORAL HEALTH ITEMS ORAL HEALTH ITEMS
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Love,	$\overline{}$	
Love,	<u> </u>	
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	<i>)</i> —	That was jost one day of my trip. It's pretty crazy out here. But I can't wait to see you all soon:
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grin! & KiDS



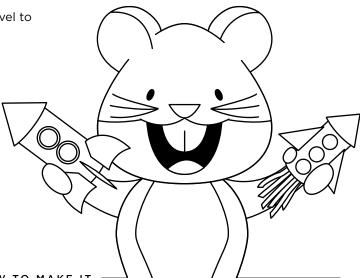


Build a rocket at home

Want to join Bitsy on her next journey? Get ready to travel to outer space by creating your own unique rocket ship.

- HERE'S WHAT YOU NEED -

- Paper
- Scissors
- · Tape and/or glue
- · Colored pencils, pens, or markers
- Decorative items like rubber bands, straws, cotton balls or swabs, glitter, stickers, etc.
- Something for the body of the rocket: an empty plastic bottle, plastic cup, milk carton, or small cardboard box



HERE'S HOW TO MAKE IT



Ask a grown-up for help with the project.



Use scissors to cut the paper and tape or glue it around the body of your rocket.



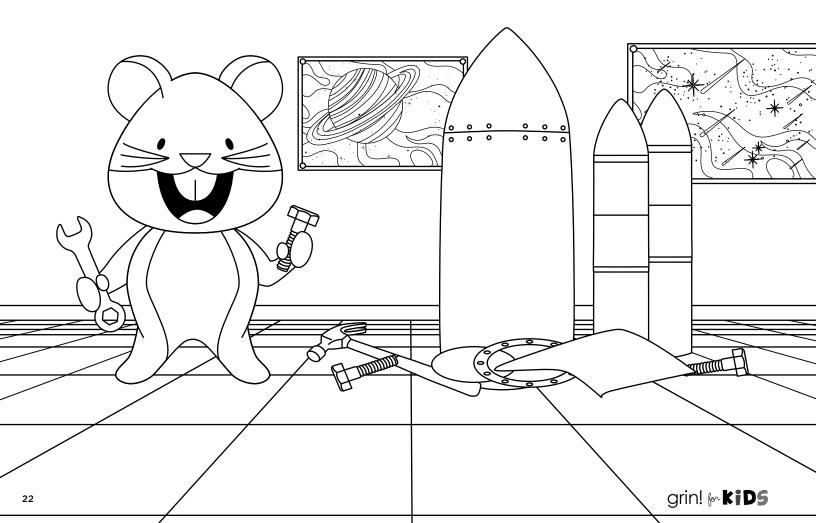
Create a design or color your rocket with the colored pencils, pens, or markers.



Decorate your rocket ship using your imagination and other materials.



Get ready to explore the solar system!



Get home to Earth!

Bitsy lived her dream of going into space and loved it. But now she's ready to return home and see all her friends. Can you guide her through all the obstacles floating in outer space and help her get back to her classroom?

