

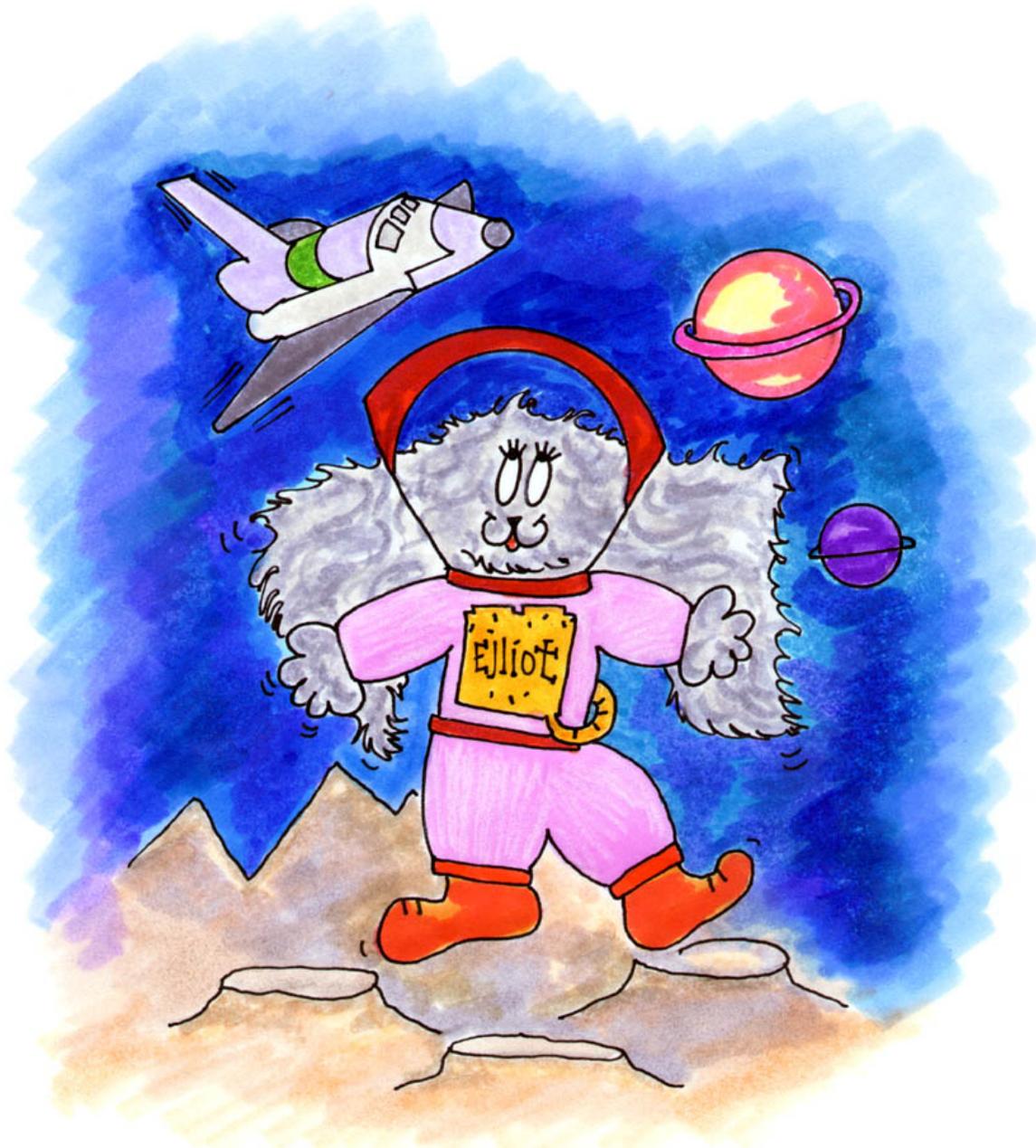
Elliot and Friends Space Activity Book



written by jeffrey ault and elliot
illustrated by debi mcnabb

Elliot and Friends

Space Activity Book



This activity book belongs to

written by Jeffrey Ault and Elliot

illustrated by Debi McNabb

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Hi!

My name is Elliot. I'm a cute floppy eared dog who can fly! Cool, huh?!

My friends and I travel through portals in my backyard to go on exciting adventures around the world, to space and under the sea. We have lots of fun while learning about nature, animals, science, art, history and all sorts of interesting things.

Today we are learning about Space and America's Space program.

So come join our adventures. It's time for fun!

Your friend,

 **ELLIOT**



AMERICA'S SPACE PROGRAM

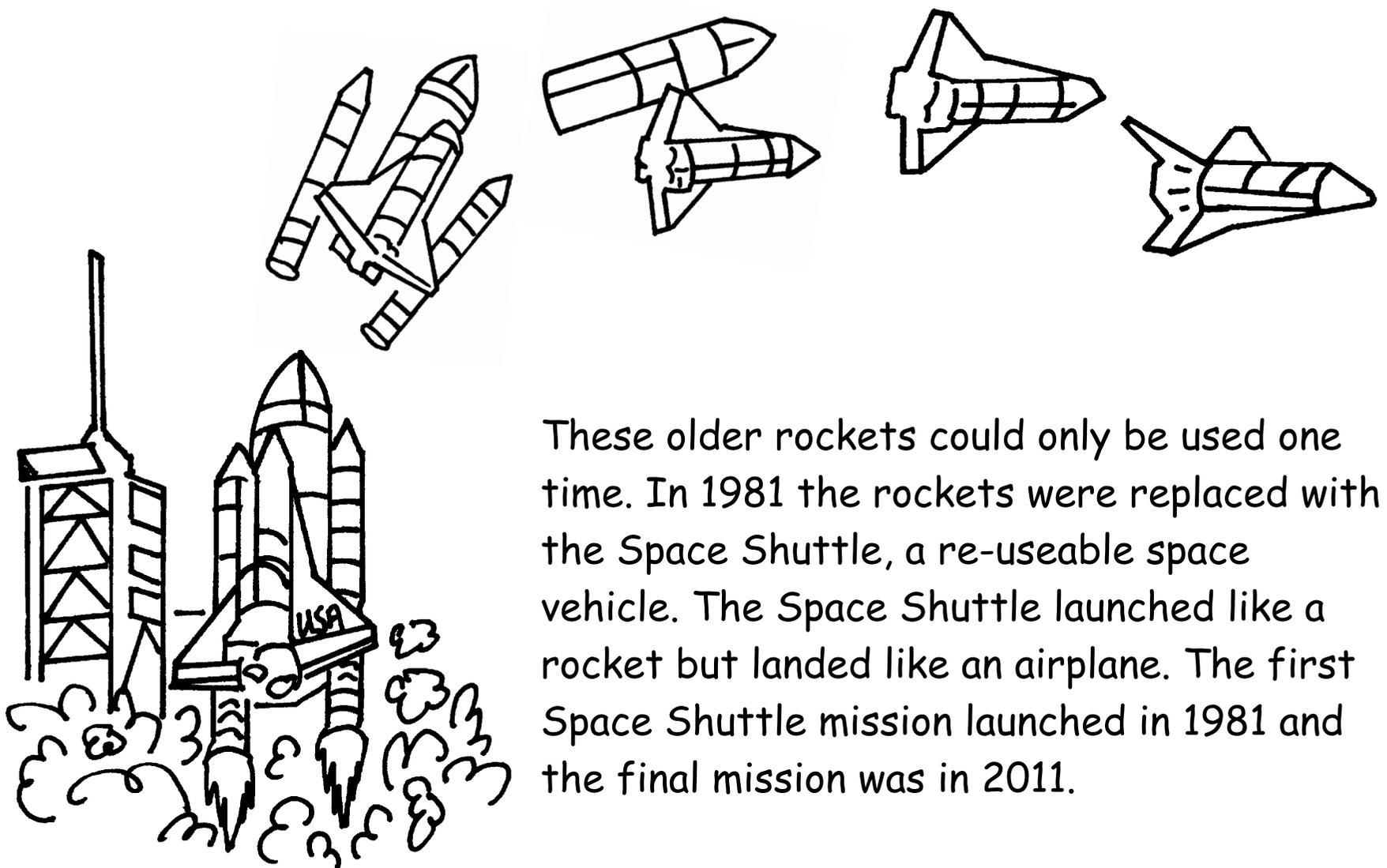
1958 - 2011

In 1958 the United States formed NASA, the National Aeronautics and Space Administration, to lead the peaceful exploration of space.

Kennedy Space Center, Florida is the home of America's Space program. It is named after President John F. Kennedy and is nicknamed, "America's Gateway to Space." Kennedy Space Center is the main launch and landing site for space flights. It is one of the places where NASA trains astronauts. Astronauts are men and women who fly into space.

Some of the first space missions launched from Kennedy Space Center were called Mercury missions. Mercury missions allowed one astronaut at a time to lift-off in rockets and reach space.

Apollo Missions were bigger and more difficult. Apollo missions took three astronauts at a time to the moon in large Saturn V rockets. Apollo missions took three days to fly to the moon.

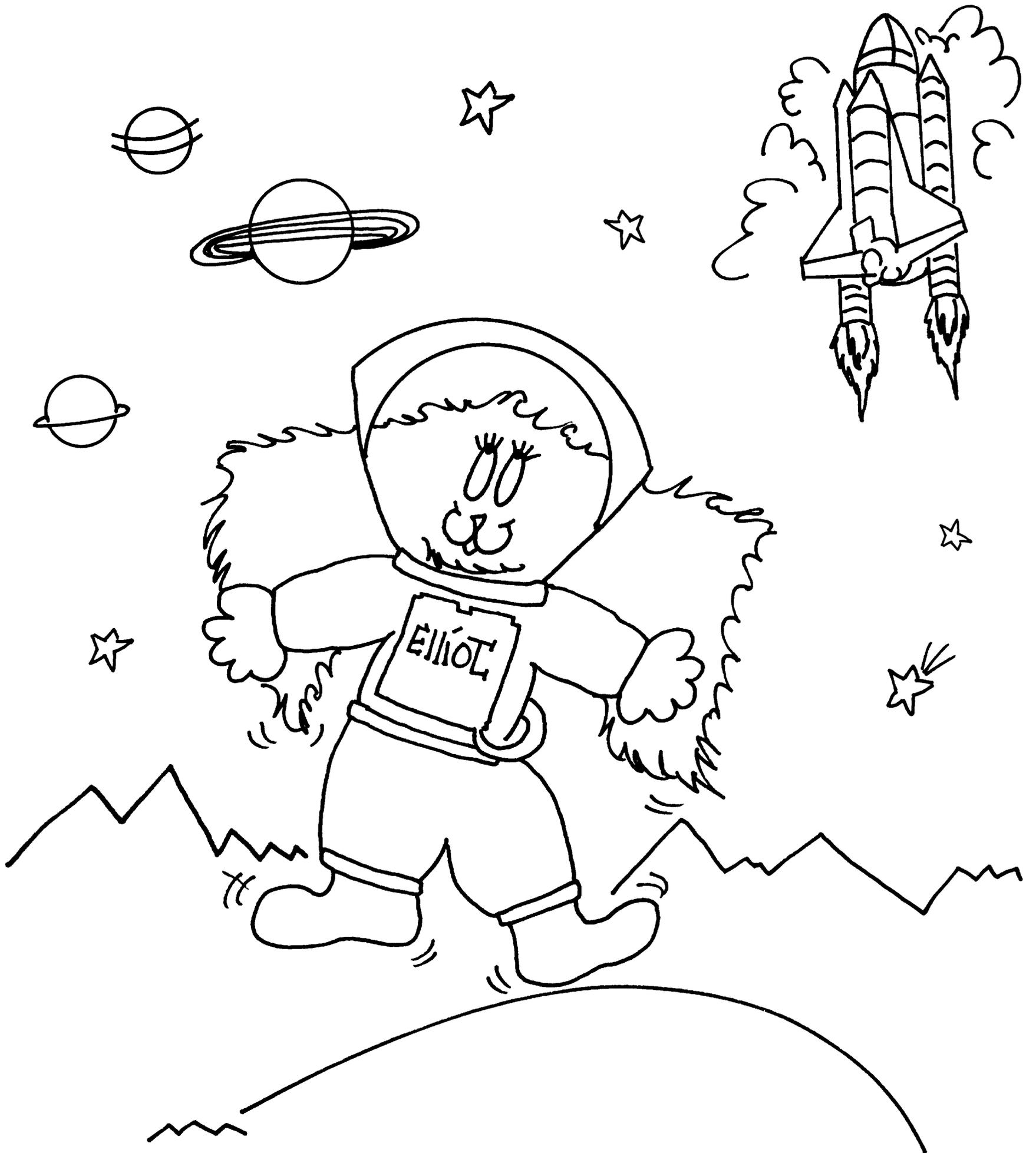


These older rockets could only be used one time. In 1981 the rockets were replaced with the Space Shuttle, a re-useable space vehicle. The Space Shuttle launched like a rocket but landed like an airplane. The first Space Shuttle mission launched in 1981 and the final mission was in 2011.

Commander Elliot

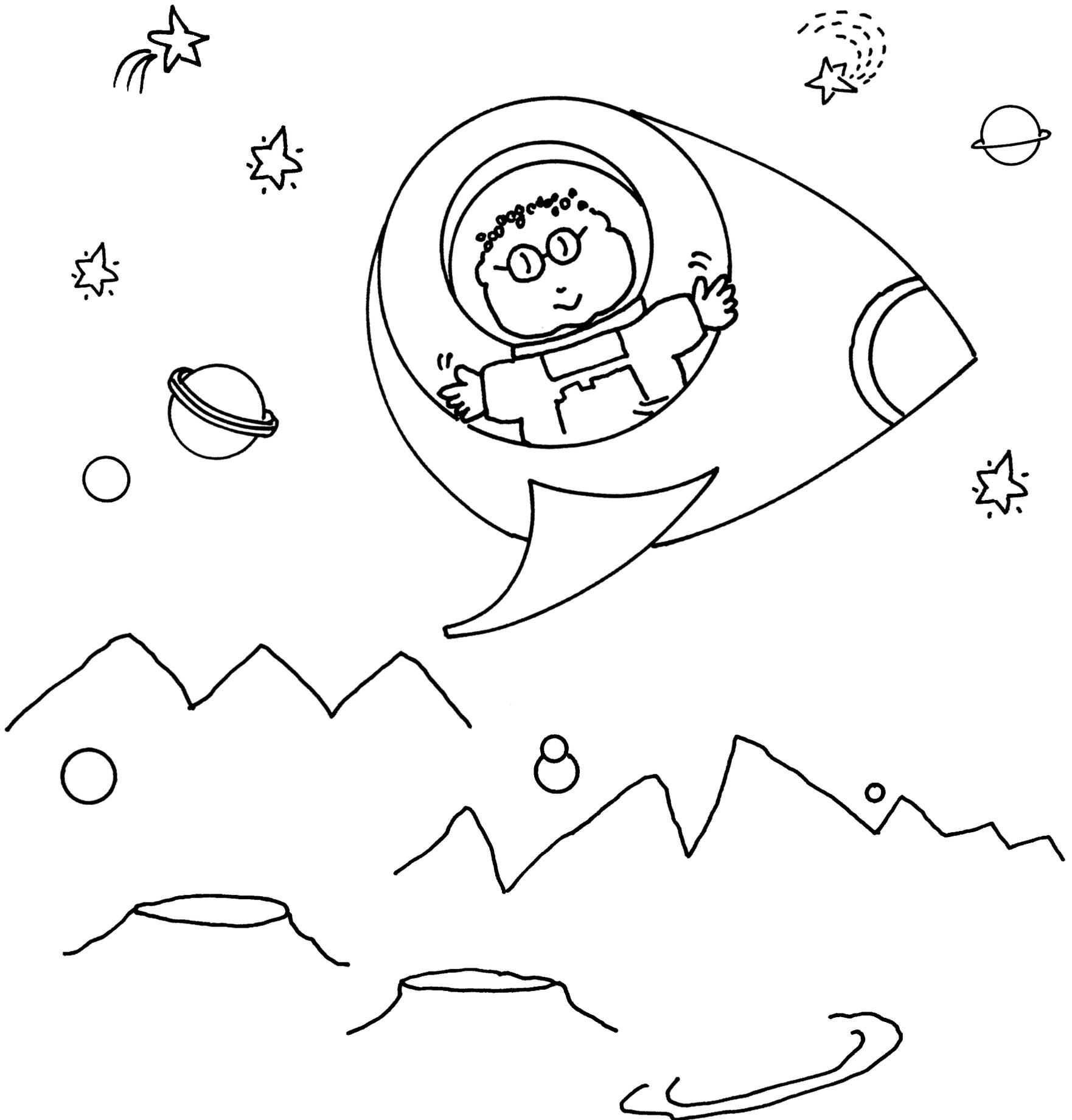
The Space Shuttle crew member responsible for overseeing the mission was called the Commander. A Commander must be very smart and a good leader. Elliot is the Commander for this mission.

What do you think Elliot will see on her mission? _____



Pilot Hubie

Hubie likes to fly his rocket and wants to be a Pilot. The Pilot is the Commander's Assistant. It takes a lot of practice to become a good Pilot.



Would you like to be a Pilot and fly to outer space? _____

What planet would you like to visit? _____

Hubie's Word Scramble

Answer the questions by unscrambling the letters and filling in the blanks with the letters.

What were space rocket missions called that traveled to the moon?

A P _____ L _____
O O L

What was the re-useable vehicle astronauts used to fly into space from 1981 - 2011?

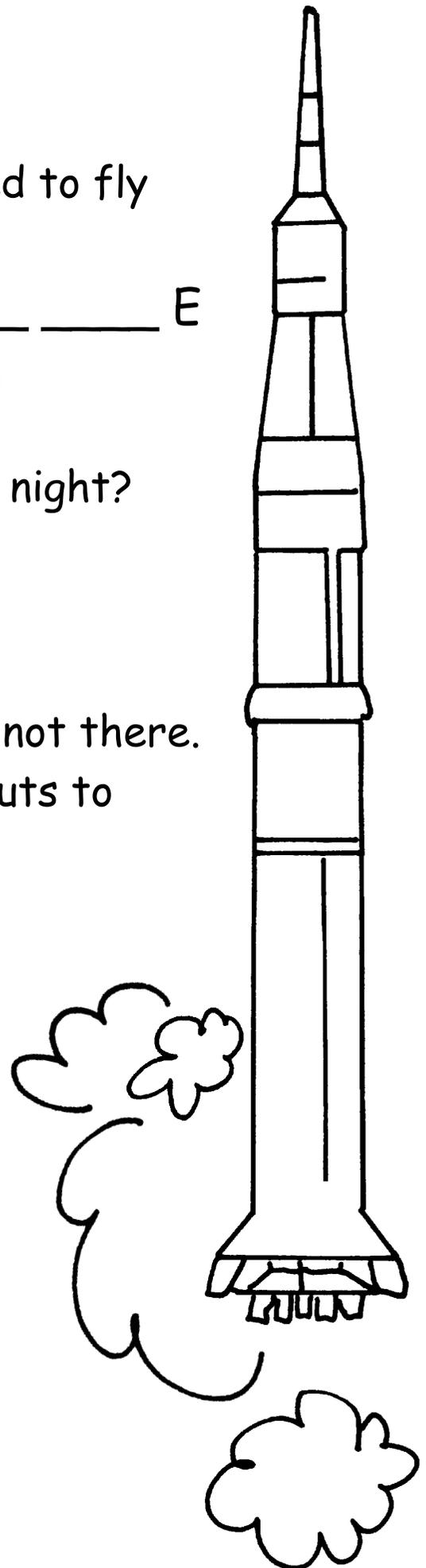
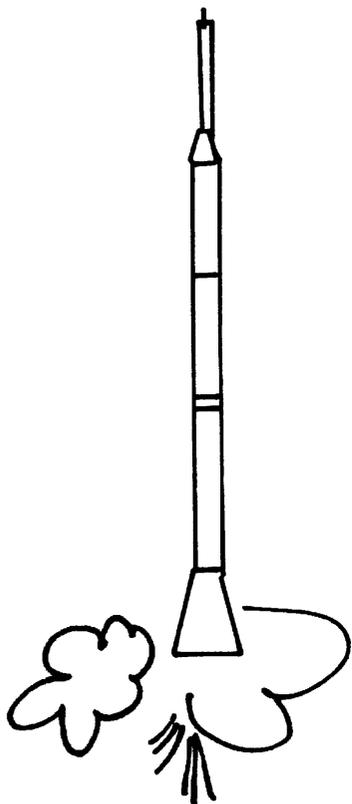
S _____ A _____ E S H _____ T _____ E
C P T L U

What do you see when you look up at the sky at night?

_____ T _____ S
A S R

Astronauts float in space because something is not there. What is not in outer space that causes Astronauts to float?

_____ R _____ V I _____ Y
T A G



Answers: Apollo, Space Shuttle, Stars, Gravity

Project Specialist Lily

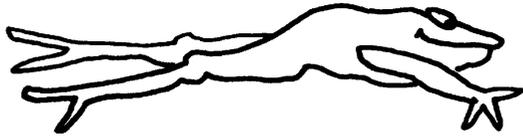
Project Specialists are scientists, doctors and researchers who travel into space to conduct experiments. Lily wants to be a Project Specialist and do experiments to help animals.



Lily is doing a nutrition experiment with the help of her friend Abe. What type of experiment would you want to do in space?

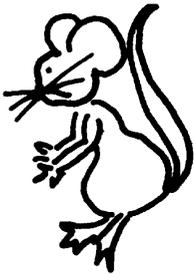
Animals in Space

Many animals have flown into space to help Project Specialists with experiments. Draw a line and match the animal names with their picture.



I'm known for jumping and helped NASA study weightlessness.

Jellyfish



I've helped researchers study microgravity.

Monkey



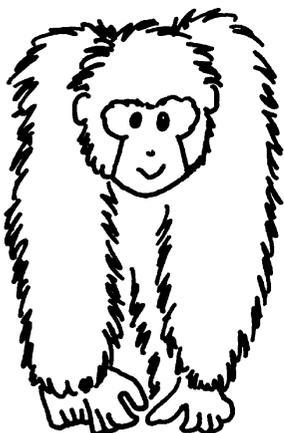
I live in the Ocean and flew on the Columbia Space Shuttle

Mouse



I might be small but I went to space to help in a study on immune systems.

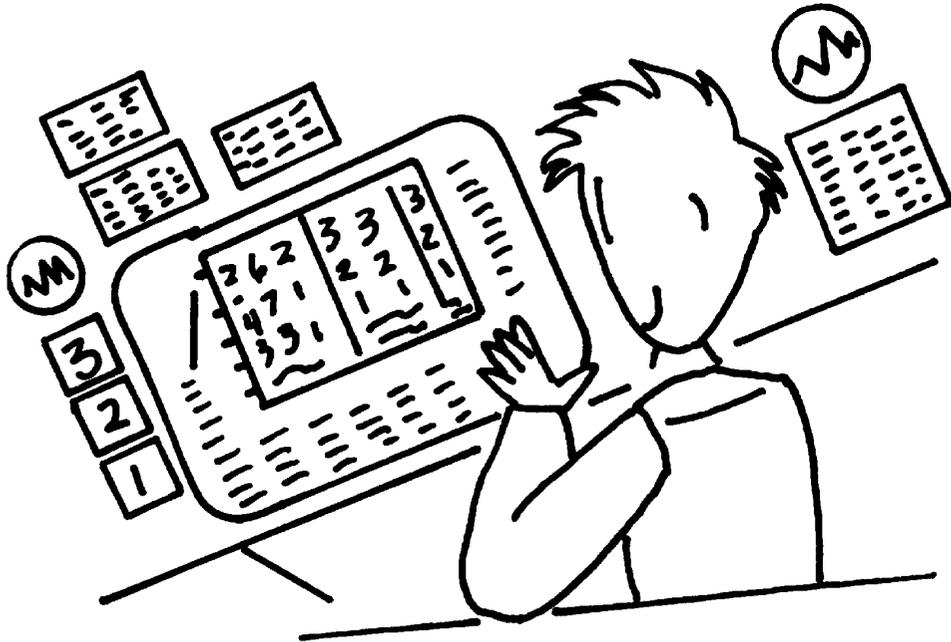
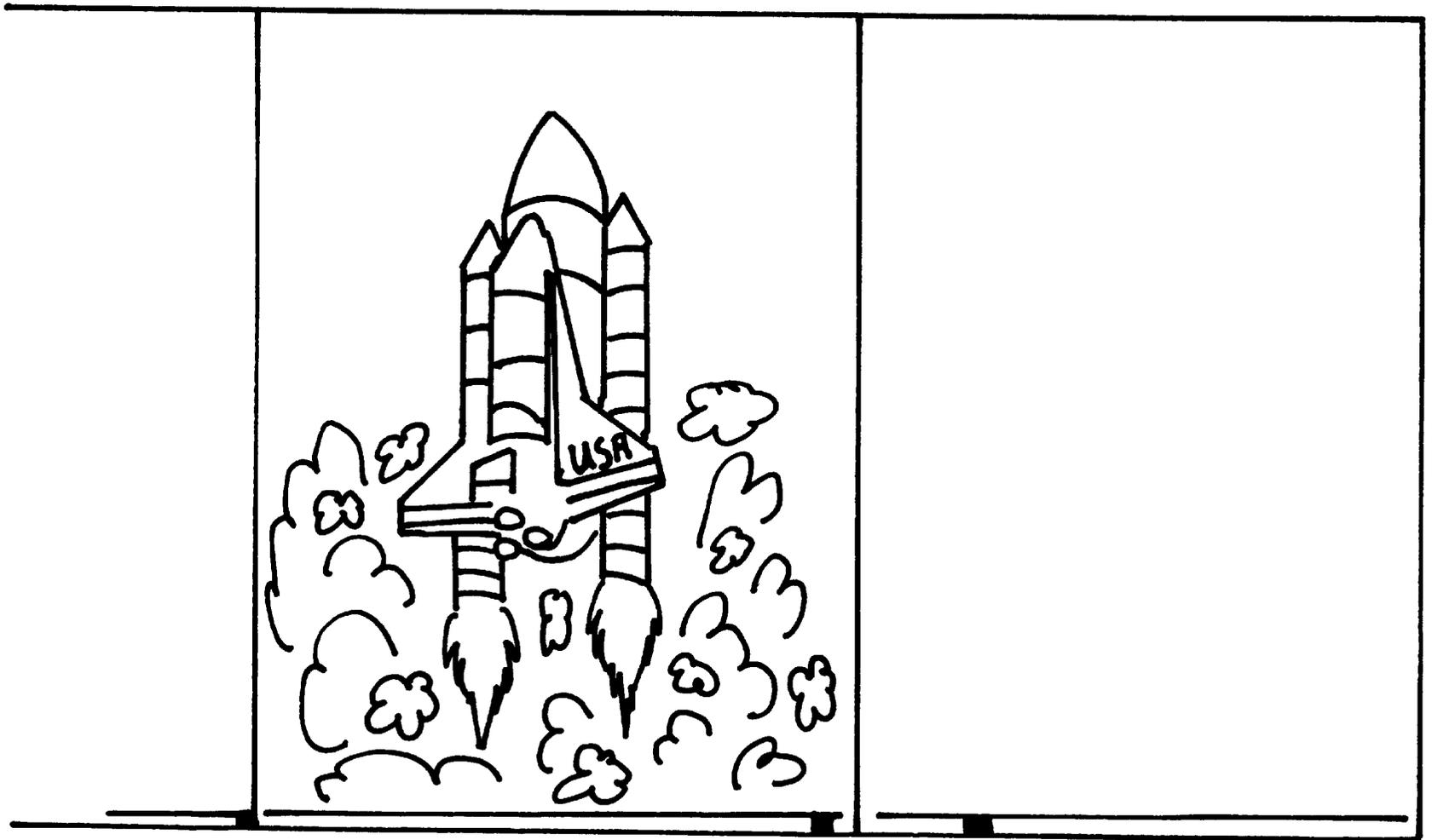
Frog



I flew in several test missions and helped pave the way for humans to fly into space.

Fly

Flight Director Buzz



People working in Mission Control use computers to help astronauts fly their space vehicles on their missions. The person in charge of Mission Control is called the Flight Director.

What do you think a Flight Director needs to be good at?

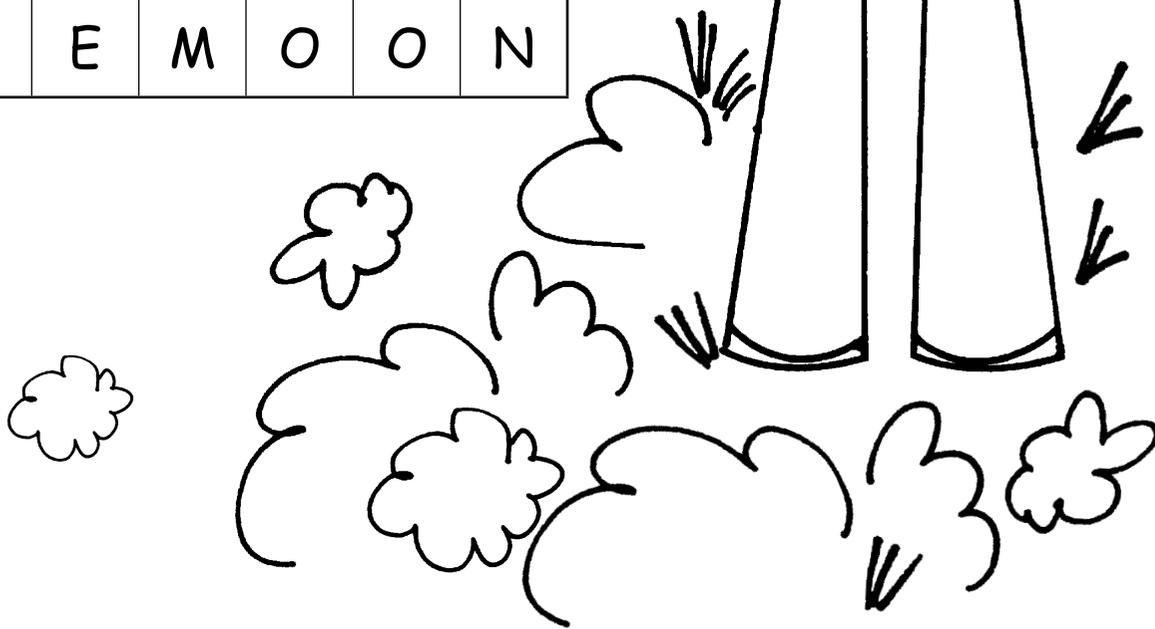
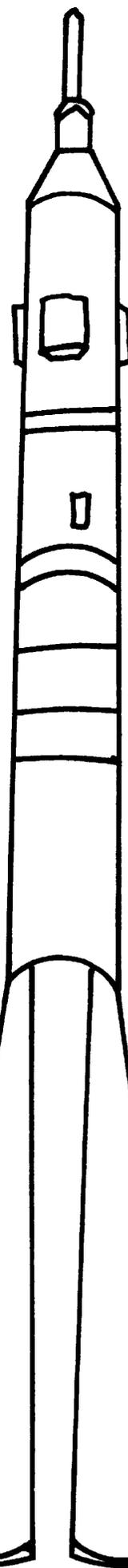
Buzz's Word Hunt

Help Buzz find the words. Look up, down and diagonal.



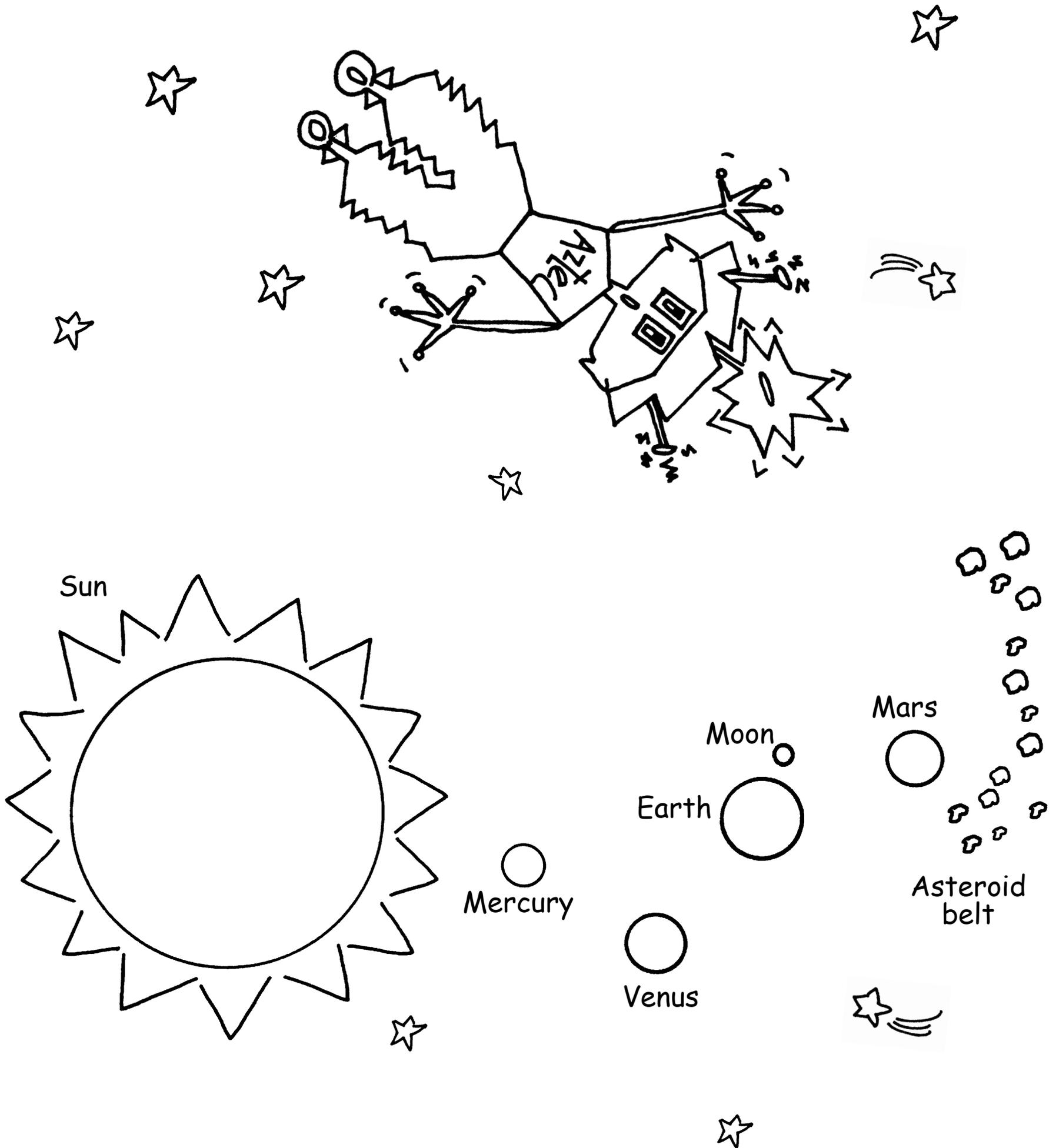
- Space
- Rocket
- Houston
- Gemini
- NASA
- Soyuz
- Satellite
- Moon
- Astronaut
- Lunar

S	O	Y	U	Z	A	L	B	K	C
A	F	D	R	C	S	P	A	C	E
T	B	A	O	I	M	X	P	J	H
E	U	F	C	N	A	S	A	D	O
L	Z	T	K	D	L	M	H	A	U
L	Z	G	E	M	I	N	I	Z	S
I	A	S	T	R	O	N	A	U	T
T	C	L	U	N	A	R	D	W	O
E	H	Q	B	Z	E	M	O	O	N

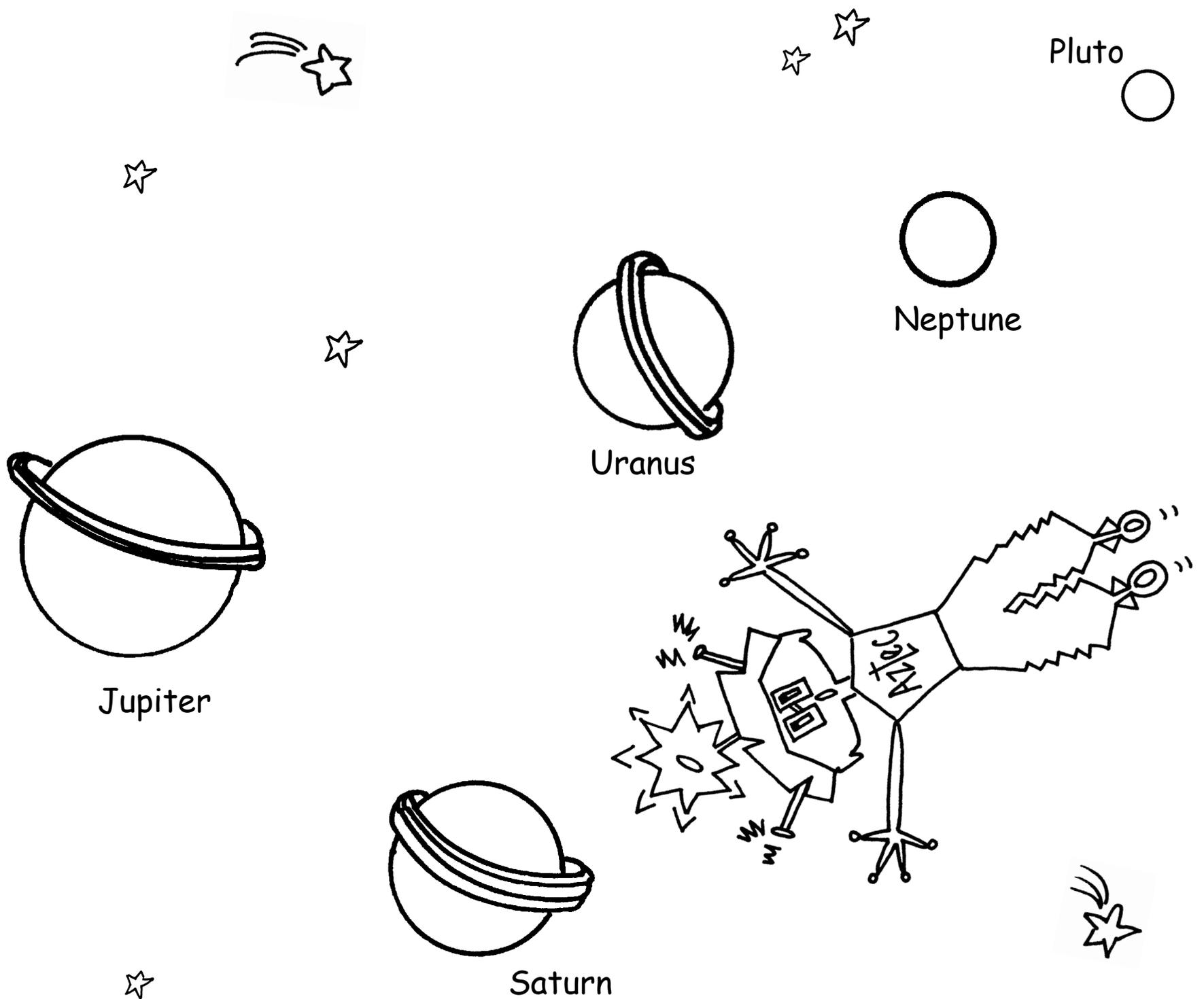


Aztec flies through the Solar System

The space program studies the solar system. Our solar system is called the Milky Way. It is made up of stars, planets, moons and asteroids. Planets orbit the sun and moons orbit the planets.



Milky Way Facts



- ★ Mercury is the smallest planet and closest to the sun.
- ★ Jupiter is the largest planet in the solar system.
- ★ There are many asteroids between Mars and Jupiter. Asteroids are like flying rocks.
- ★ Saturn has big colored rings around it. The rings are huge bands of icy objects that orbit the planet.
- ★ Vega is the brightest star.

Jasmine's Space Suit

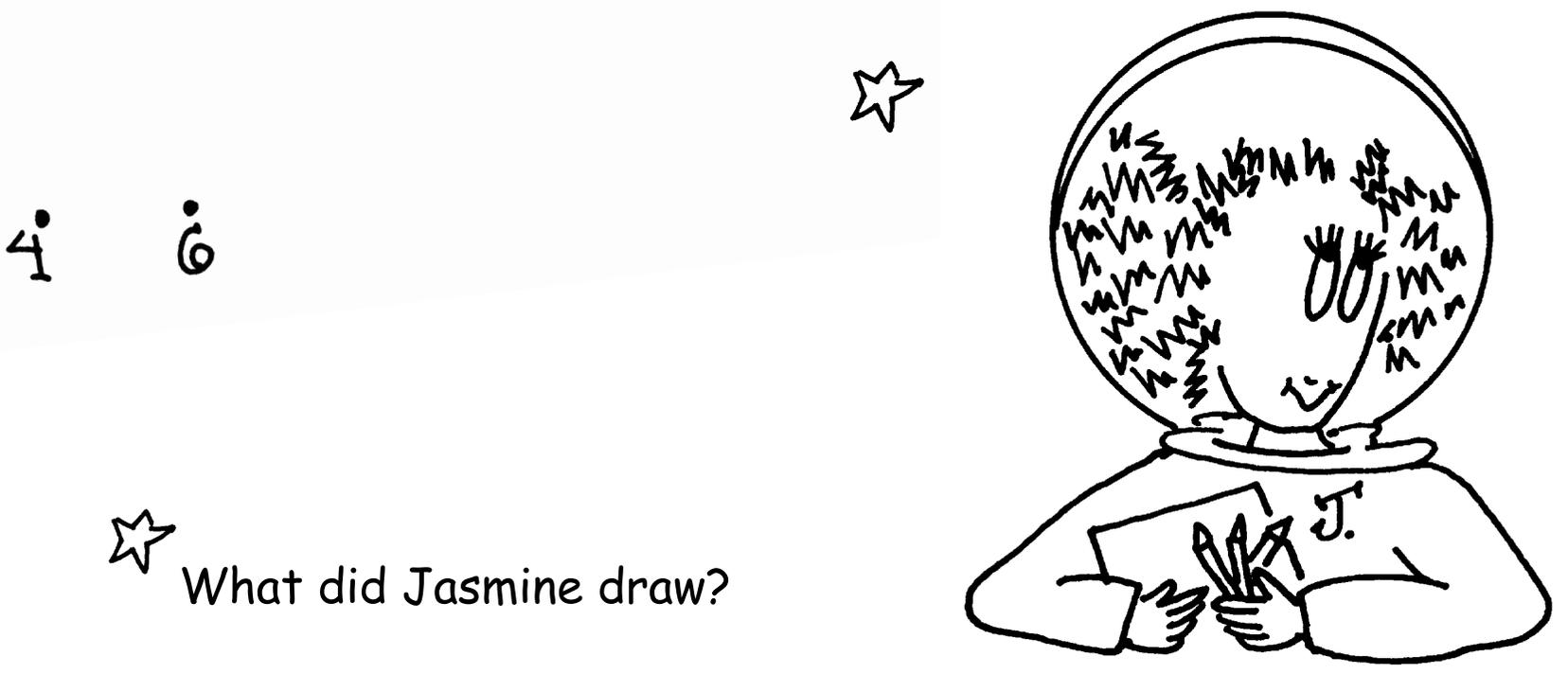
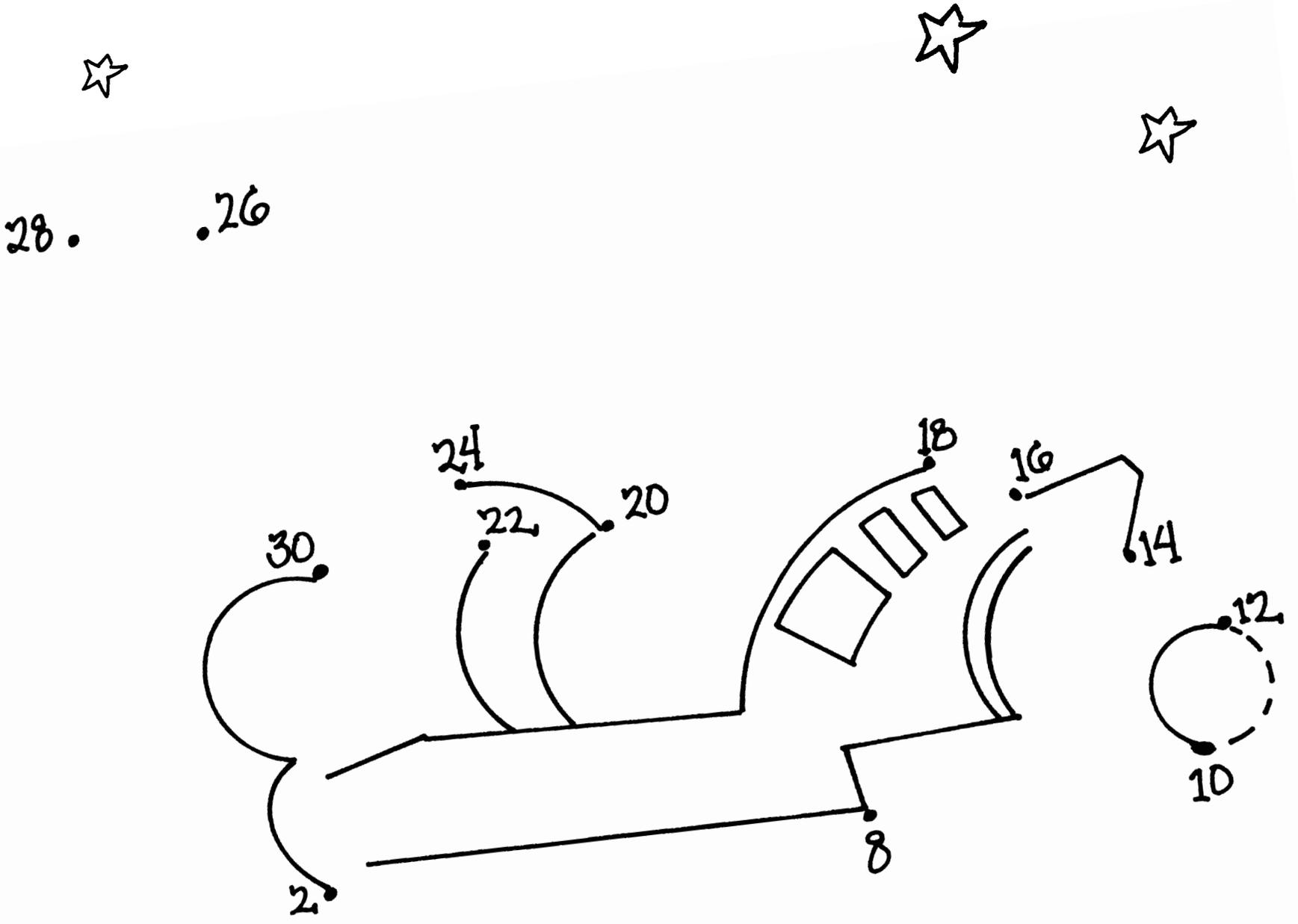
Astronauts wear special clothes to protect them when they travel into space. They have clothing to wear inside their space vehicle and different clothing to wear outside on space walks.



Jasmine likes bright colors and wants her space suit to be rosa brillante, which means bright pink. What colors would you want your space suit to be? _____

Jasmine's Connect the Dots

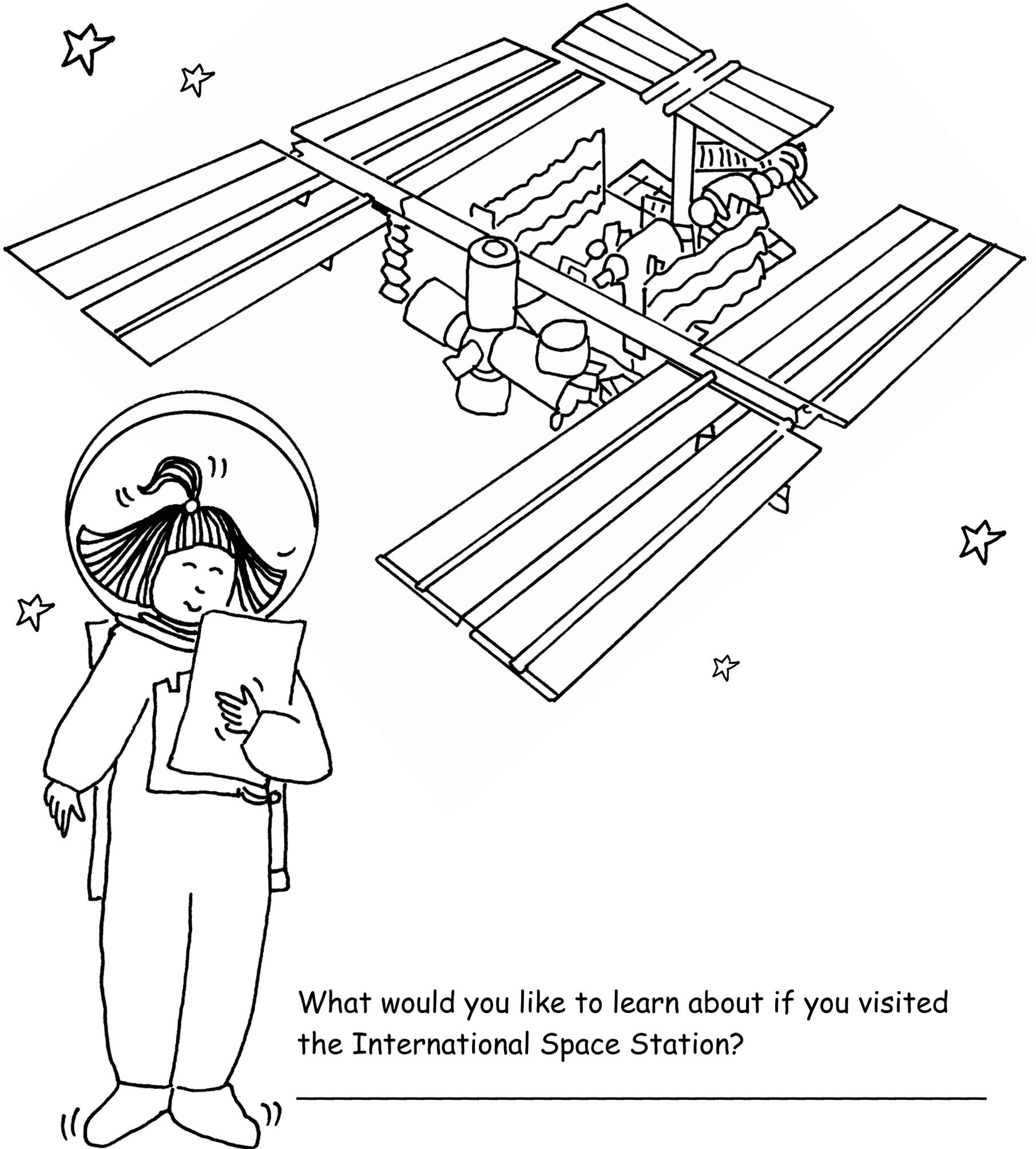
Jasmine enjoyed drawing this picture. Count by two's and connect the dots to see what flew to the International Space Station.



★ What did Jasmine draw?

Ming visits the International Space Station

The International Space Station orbits the earth 250 miles above us. Astronauts can live on the ISS for months while they do experiments and study outer space.

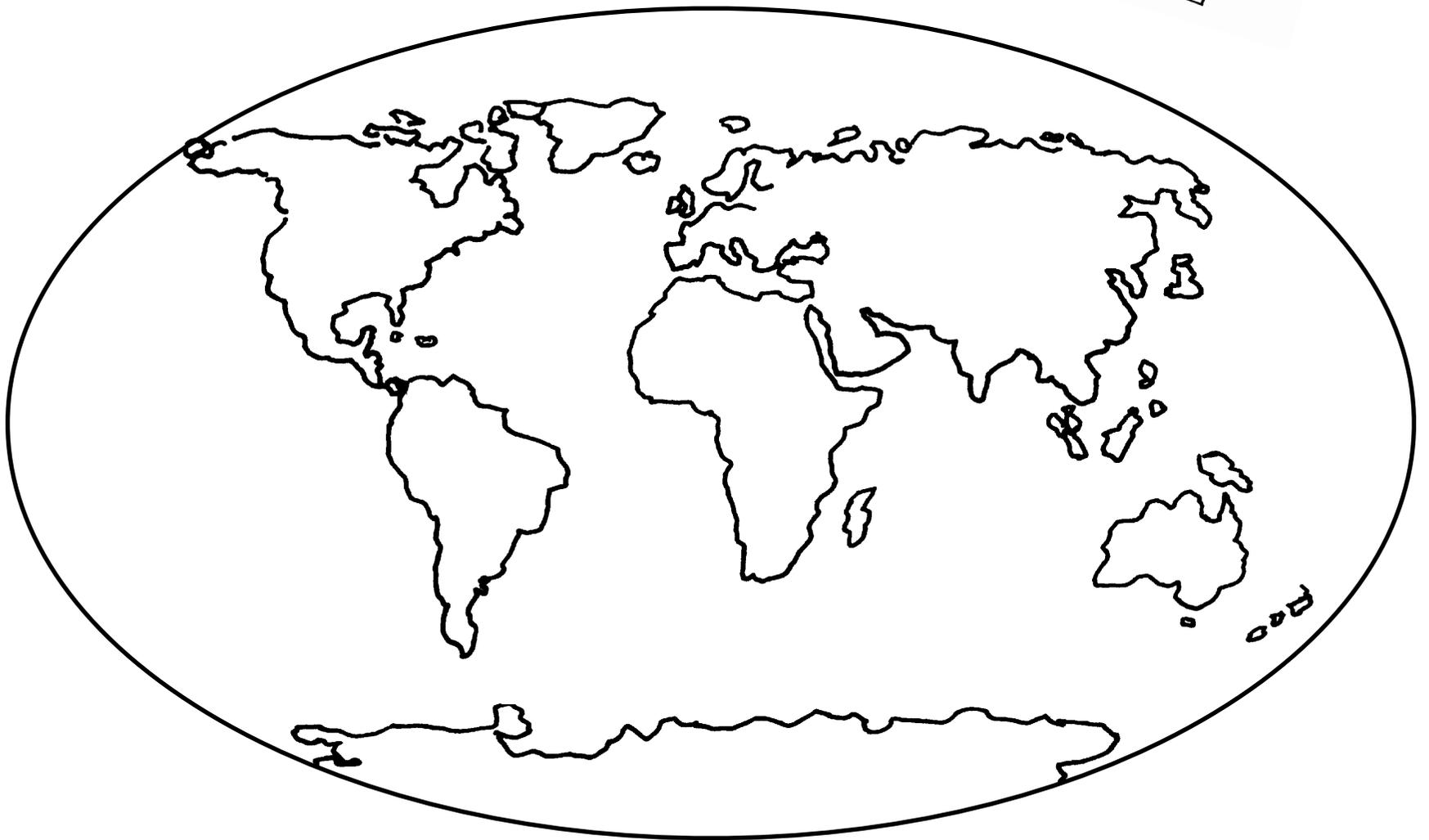
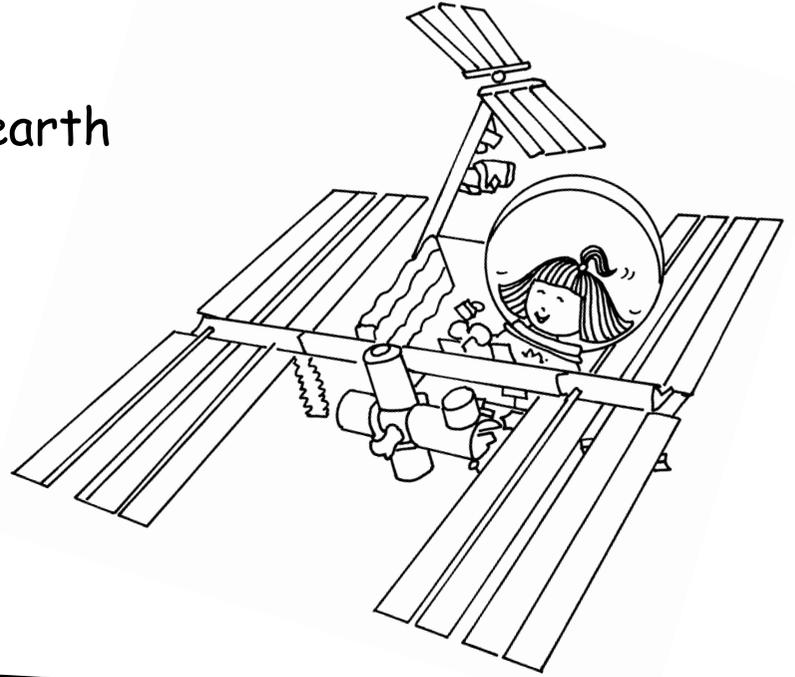


What would you like to learn about if you visited the International Space Station?

International Cooperation

Sixteen countries helped to build and operate the International Space Station. Some of the countries include: the United States of America, Canada, Brazil, Russia, Japan and Italy.

Astronauts can look down and see the earth from the International Space Station.

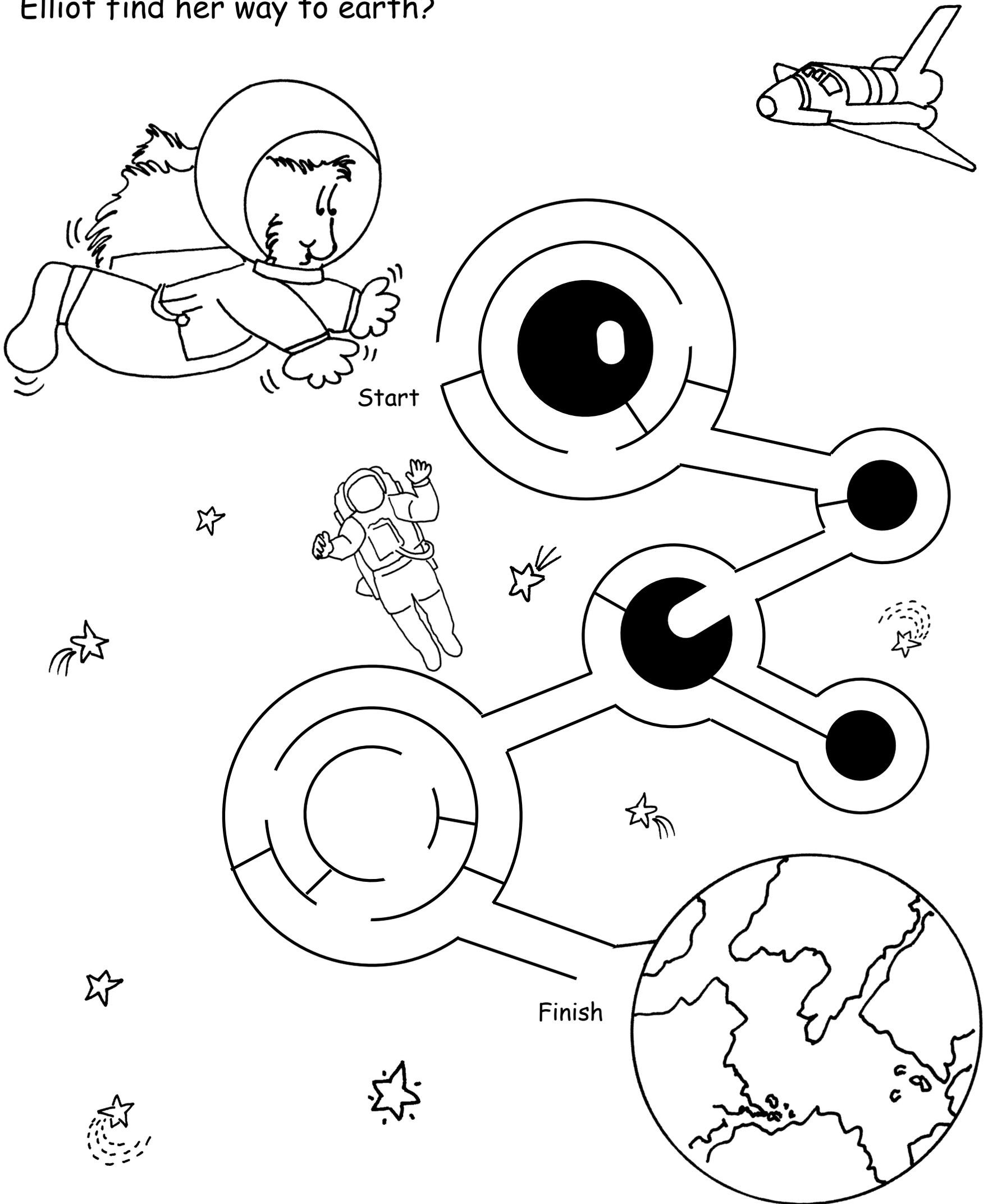


What country do you live in? _____ Can you find it in the picture?

What countries would you like to look at from space? _____

Elliot's Astronaut Maze

The astronauts have been in space for a long time. Can you help Elliot find her way to earth?



Elliot's Secret Message

Read the fun facts at the beginning and end of this book for clues to discover the missing words.

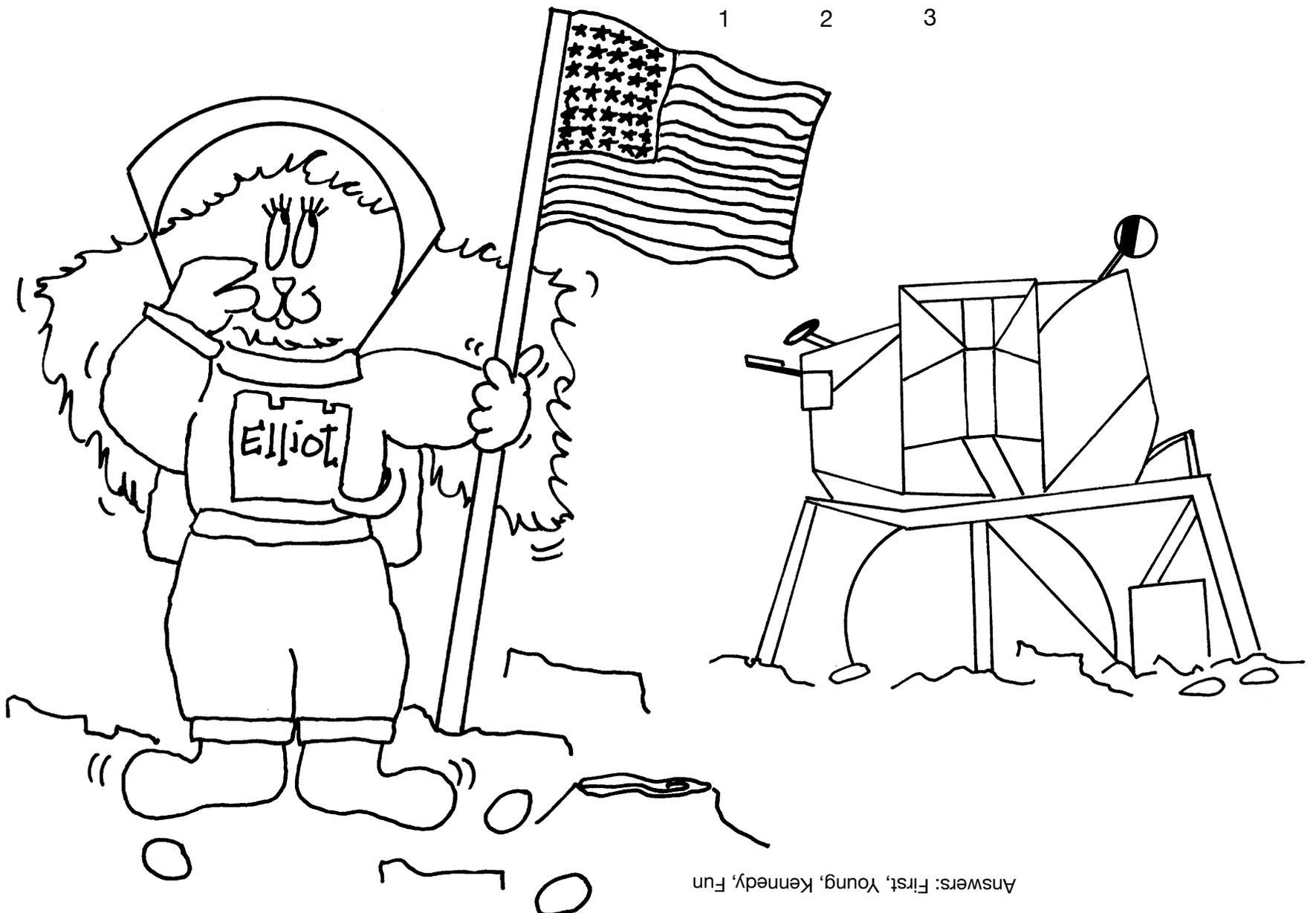
Sally Ride was the American woman in space.

One of the first astronauts to fly the Space Shuttle was John

The Florida Space Center was named after President

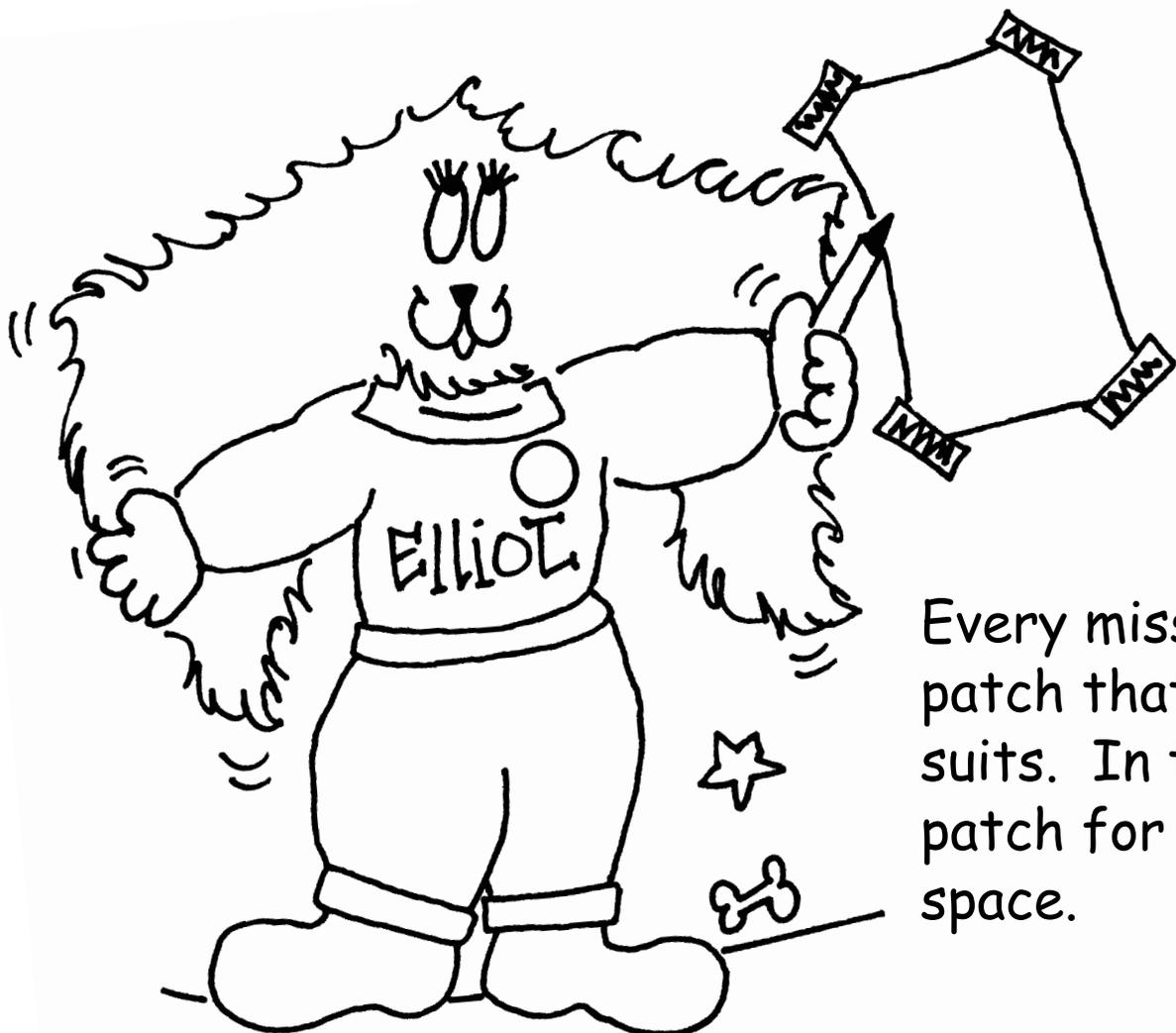
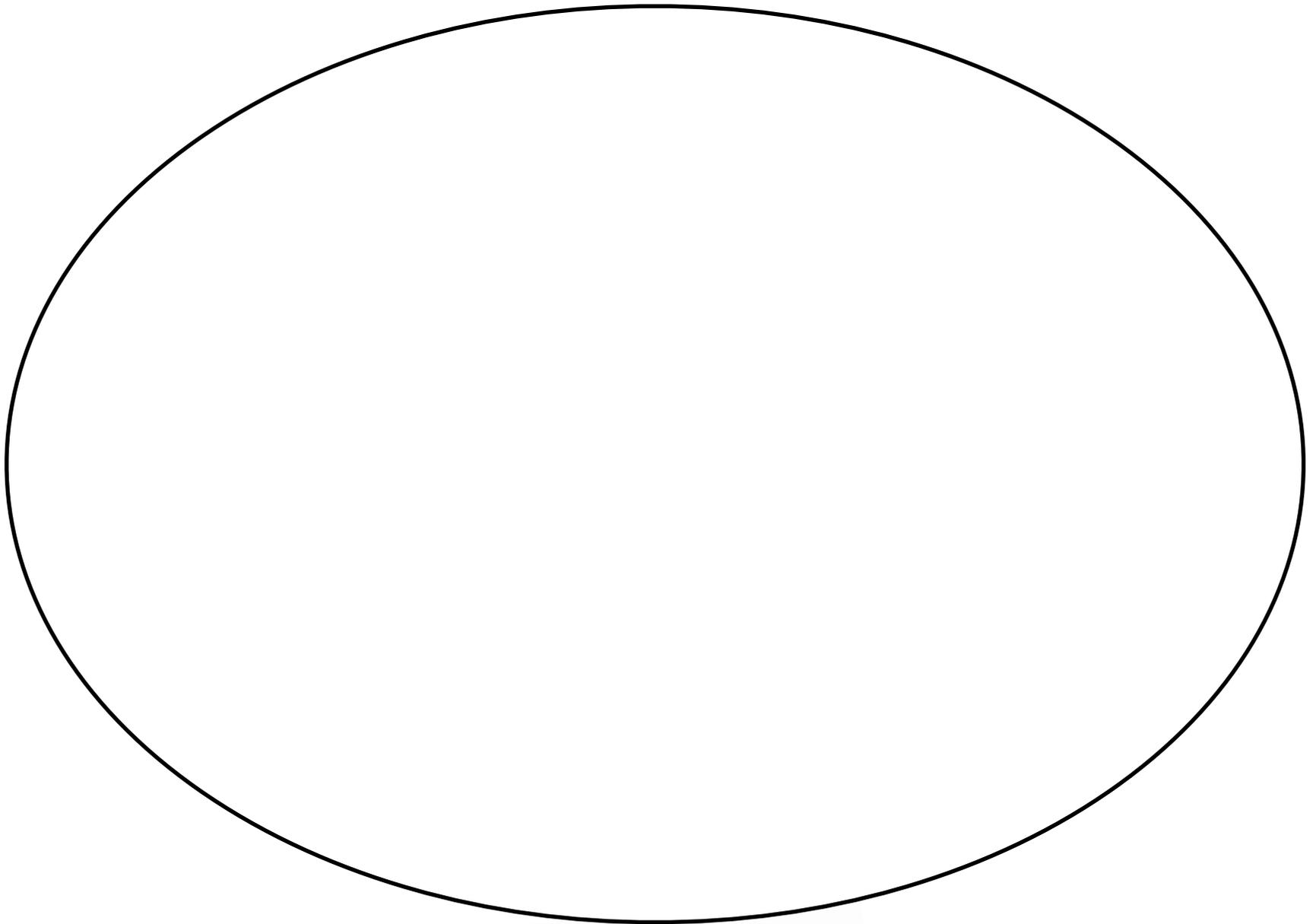
Copy the letters in the circles above to discover Elliot's secret message.

Elliot thinks flying in space is a lot of _____ !



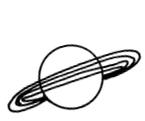
Answers: First, Young, Kennedy, Fun

Your Space Mission Patch



Every mission to space has a patch that is worn on the space suits. In the oval above draw a patch for your own mission to space.

SPACE FUN FACTS



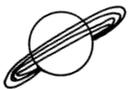
John Young and Robert Crippen were the first astronauts to fly the Space Shuttle into space.



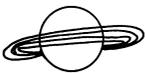
John Glenn was the only astronaut to fly both on a Mercury Mission and on the Space Shuttle. He was also a Senator for Ohio.



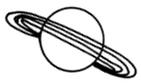
Apollo 11 was the first space mission to successfully land people on the moon and return safely to earth. The astronauts who rode on Apollo 11 were Neil Armstrong, Edwin Aldrin and Michael Collins. Neil Armstrong was the first astronaut to walk on the moon.



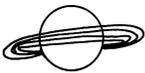
Sally Ride was the first American woman in space.



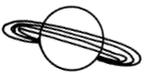
Columbia was the first Space Shuttle to travel into space.



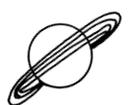
Astronauts float in space because there is no gravity. Gravity is what makes you feel heavy and stay on earth.



The International Space Station is over 356 feet wide and 290 feet long. It is bigger than a football field!



The Russians fly into space on Soyuz rockets.



One of the first chimpanzees to travel into space was named Ham. He flew in a Redstone Rocket.



In 2020 American astronauts flew the SpaceX Dragon spacecraft for the first time to the International Space Station.



Kennedy Space Center is also home to a National Wildlife Refuge. More than 5,000 alligators and 500 different types of animals live there, including 15 endangered species. Animals that live there include eagles, deer, crane, wild boar, manatee and over 300 different types of birds.

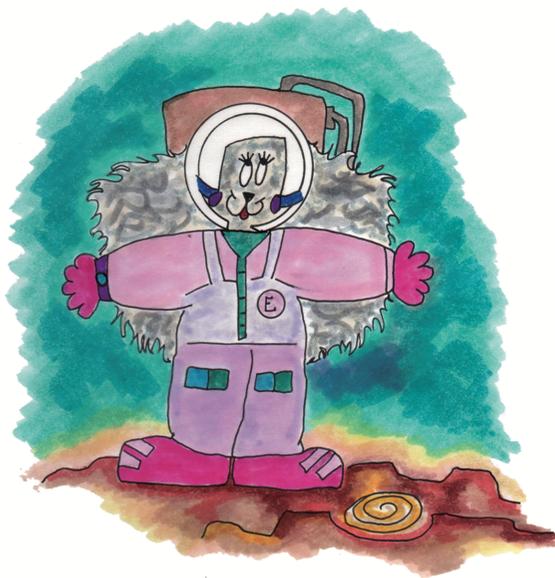


Elliot and Friends

Entertain * Educate * Inspire Imagination

Calling All Kids!

Children of all ages are invited to visit Elliot and Friends on [Facebook](#) to discover other fun activities and adventures.




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