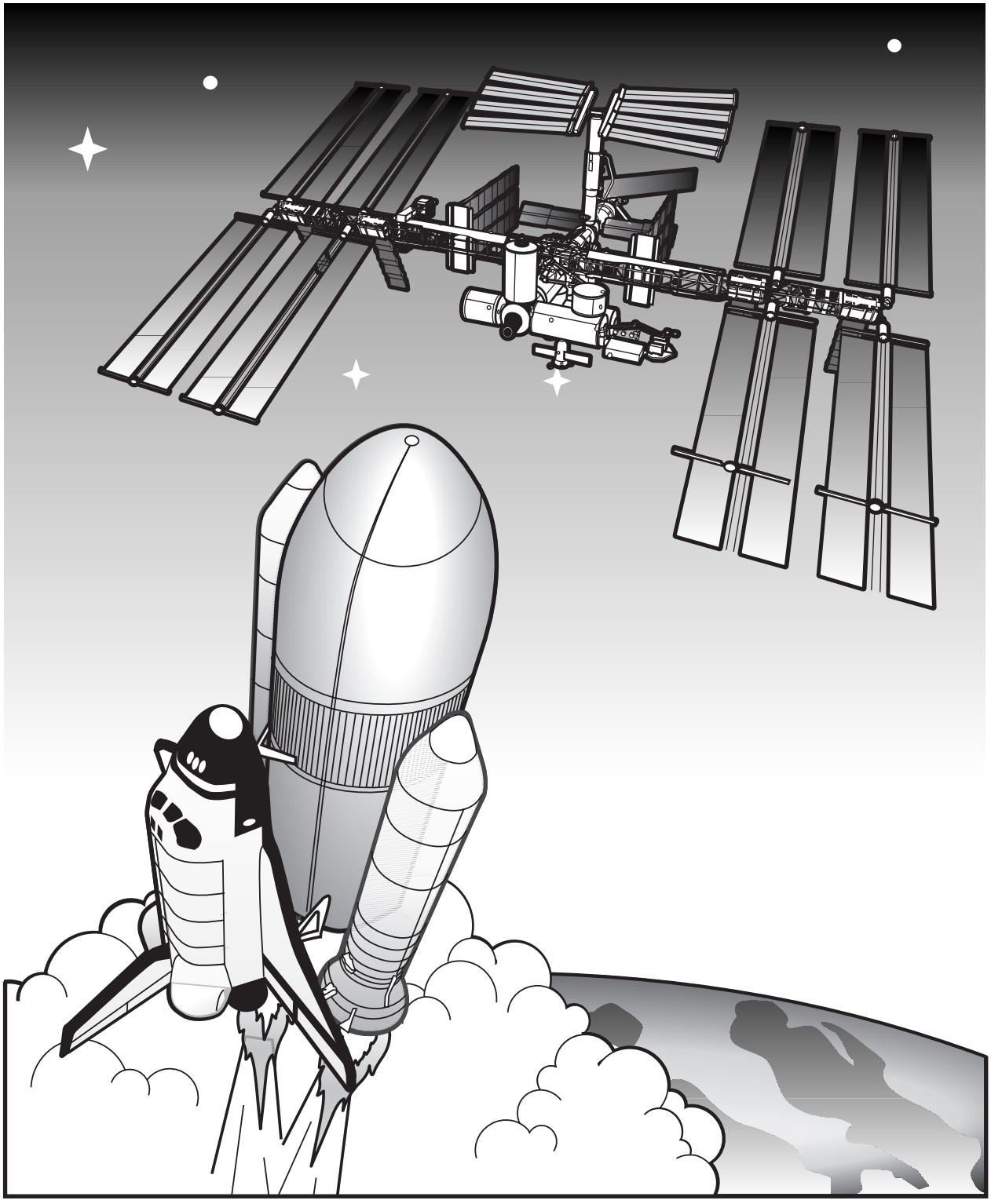
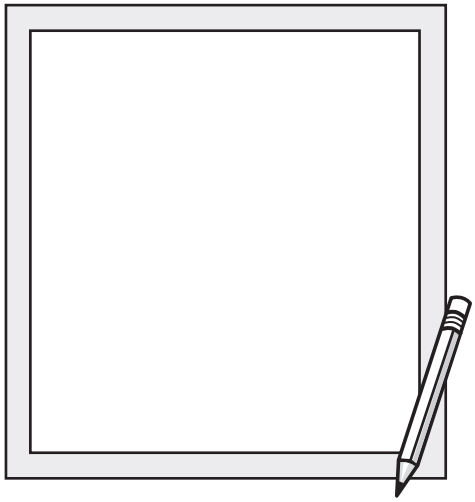
National Aeronautics and Space Administration

Space Activity Book



This book belongs to _____

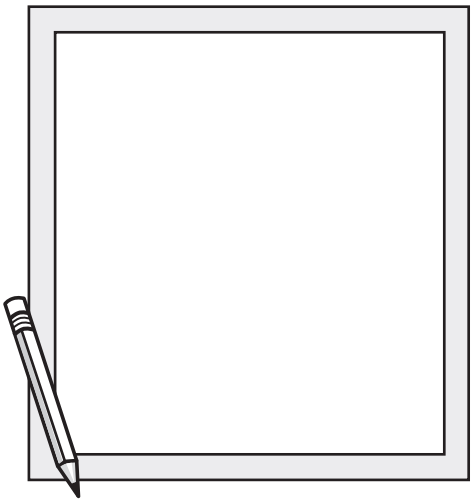
Draw a picture of yourself.



This is me now:

Date: _____

Draw a picture of yourself.



Date: _____

This is me grown up.

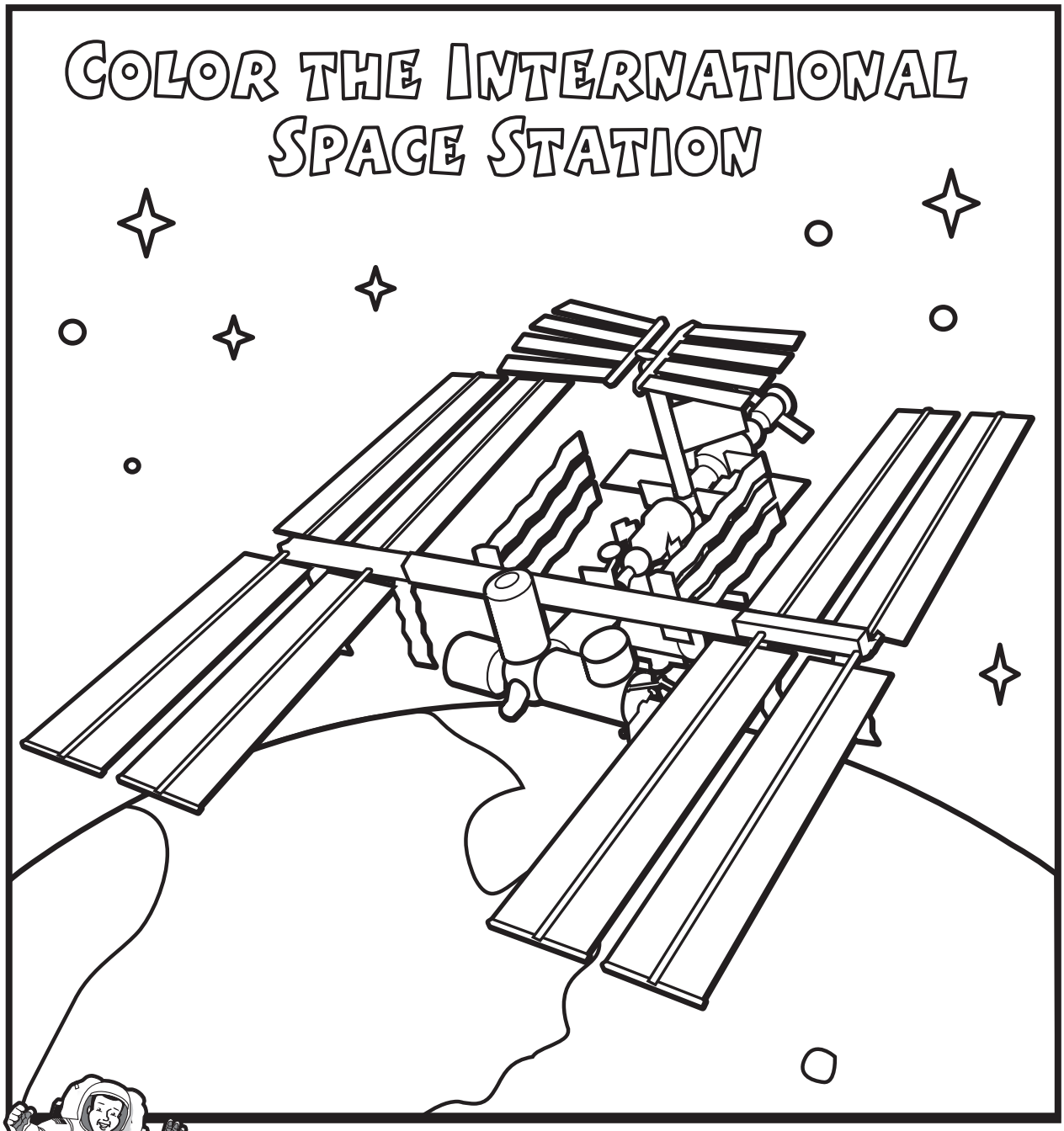
I am a/an:

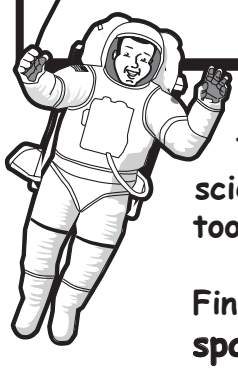
_____

Enjoy online space exploration by visiting

spaceflight.nasa.gov

Let's fly a mission to the International Space Station!



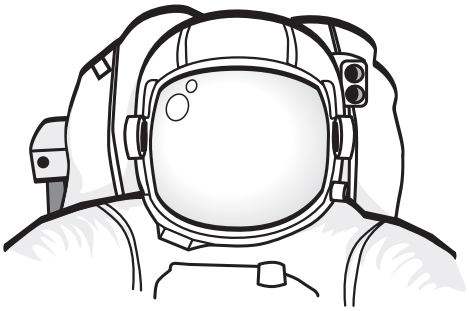


There have been more than 100 Shuttle missions so far, enabling science and medical research as well as bringing up astronauts and tools to space. When is the next Shuttle mission?

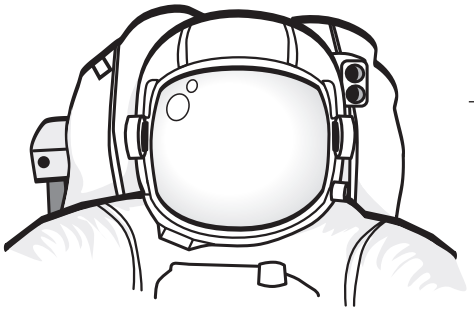
Find the answer to this question and more at **spaceflight.nasa.gov**

Name your Shuttle crew for the mission

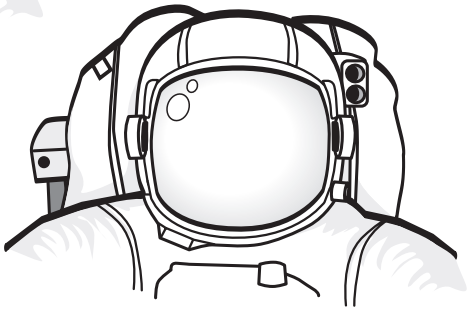
Draw their pictures in the helmets
and give them names.



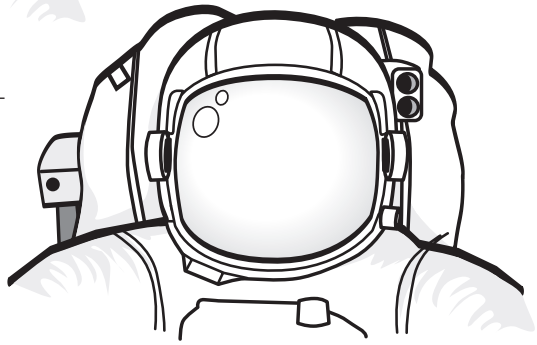
Pilot



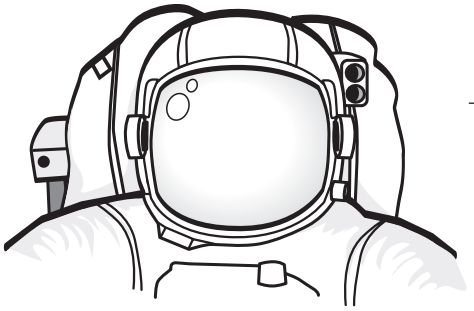
Mission Specialist



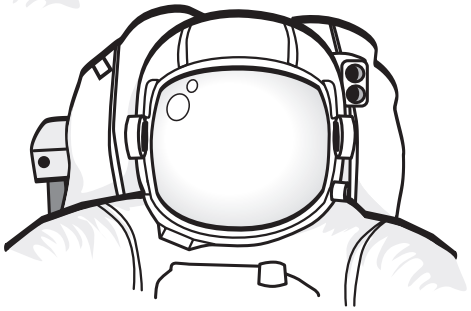
Mission Specialist



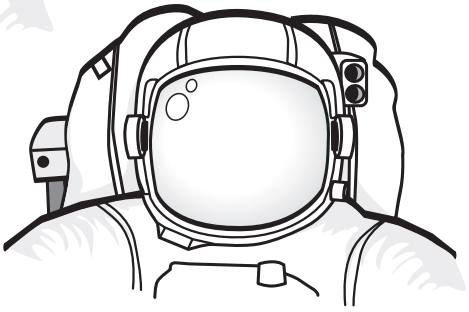
Commander



Payload Specialist

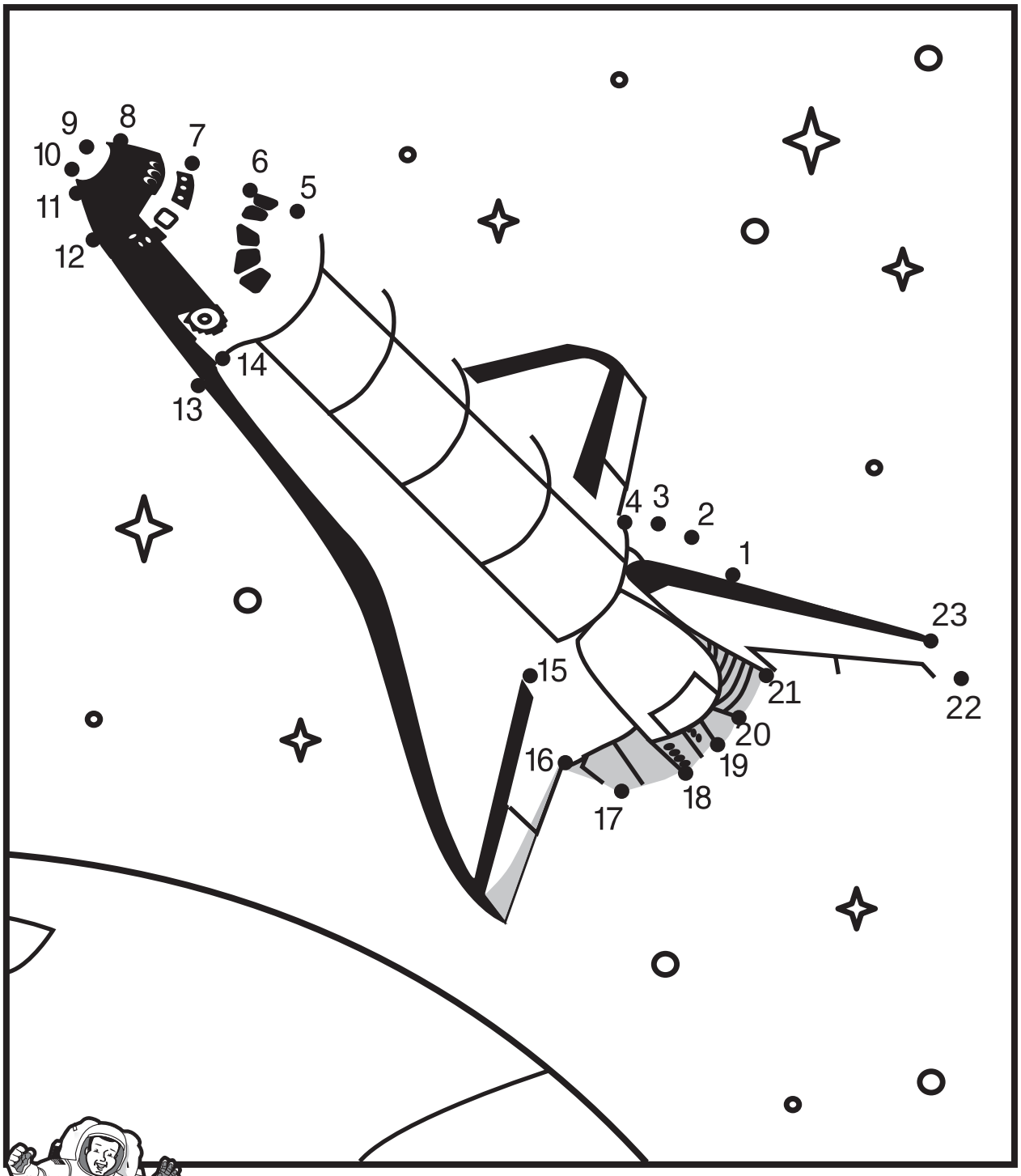


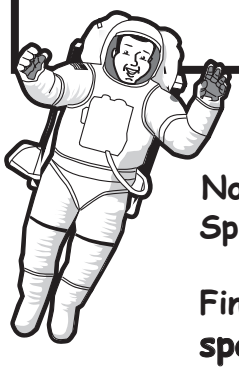
Payload Specialist



Mission Specialist

Connect the dots on the Shuttle

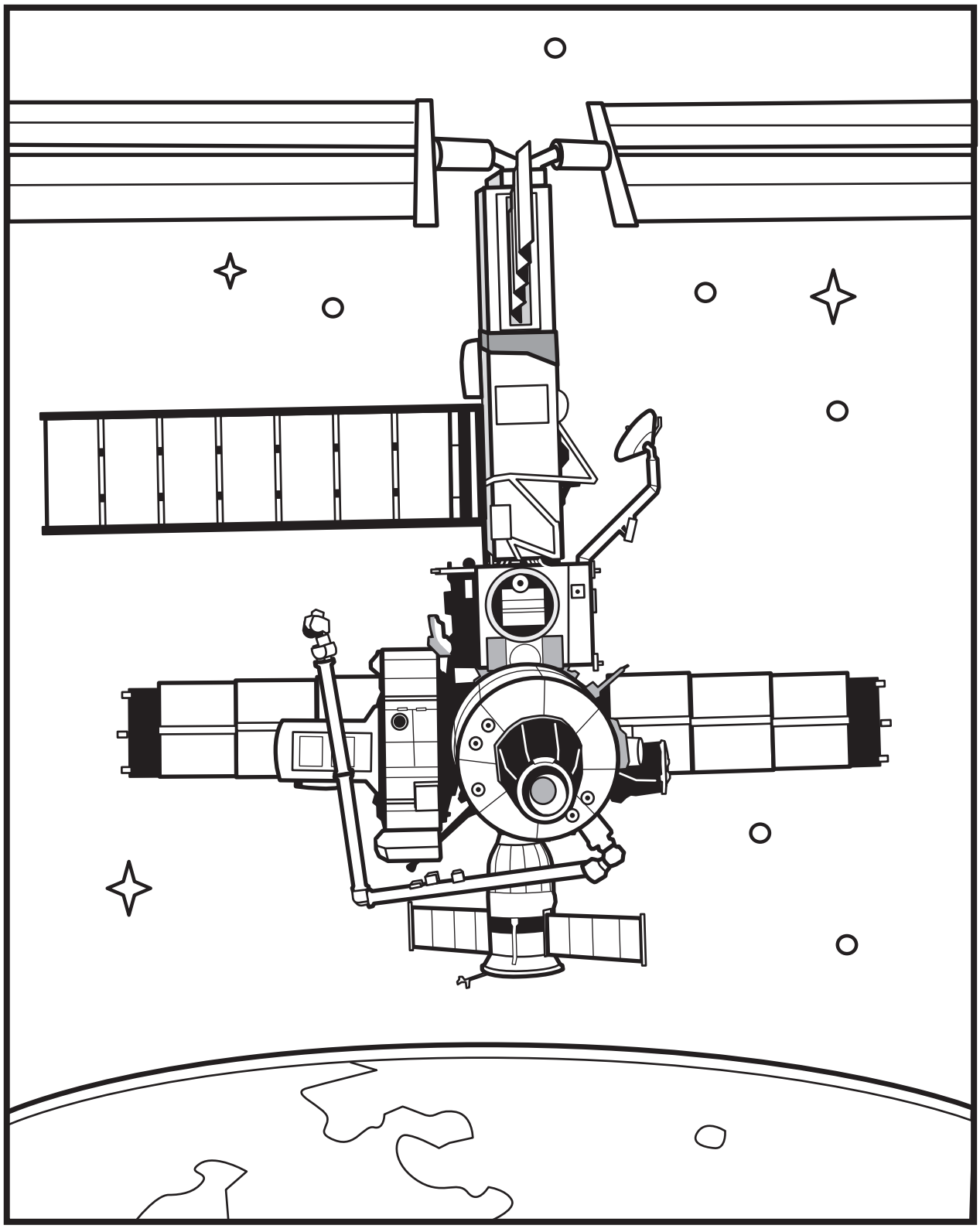




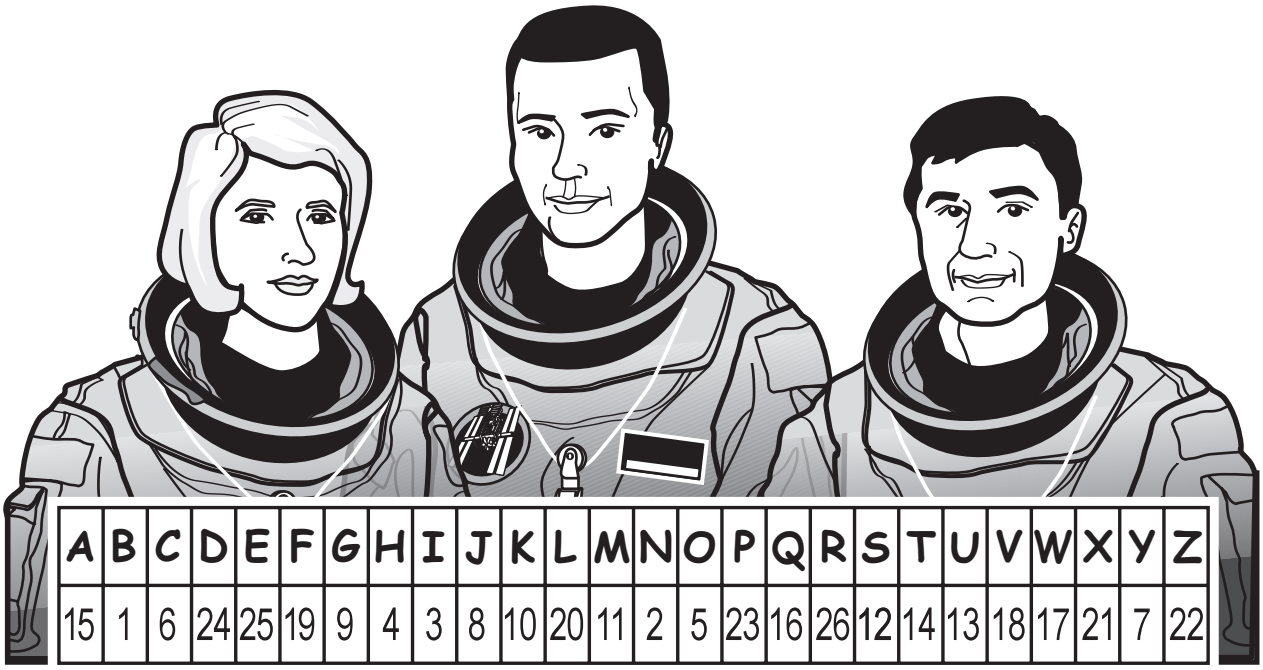
People have been living on the International Space Station since November 2000. How many people are living on the International Space Station right now?

Find the answer to this question and more at **spaceflight.nasa.gov**

Color the International Space Station



International Space Station Cryptogram



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
15	1	6	24	25	19	9	4	3	8	10	20	11	2	5	23	16	26	12	14	13	18	17	21	7	22

14 4 25 6 26 25 17 5 19 14 4 25

3 2 14 25 26 2 15 14 3 5 2 15 20 12 23 15 6 25

12 14 15 14 3 5 2 4 5 23 25 12 7 5 13 15 26 25

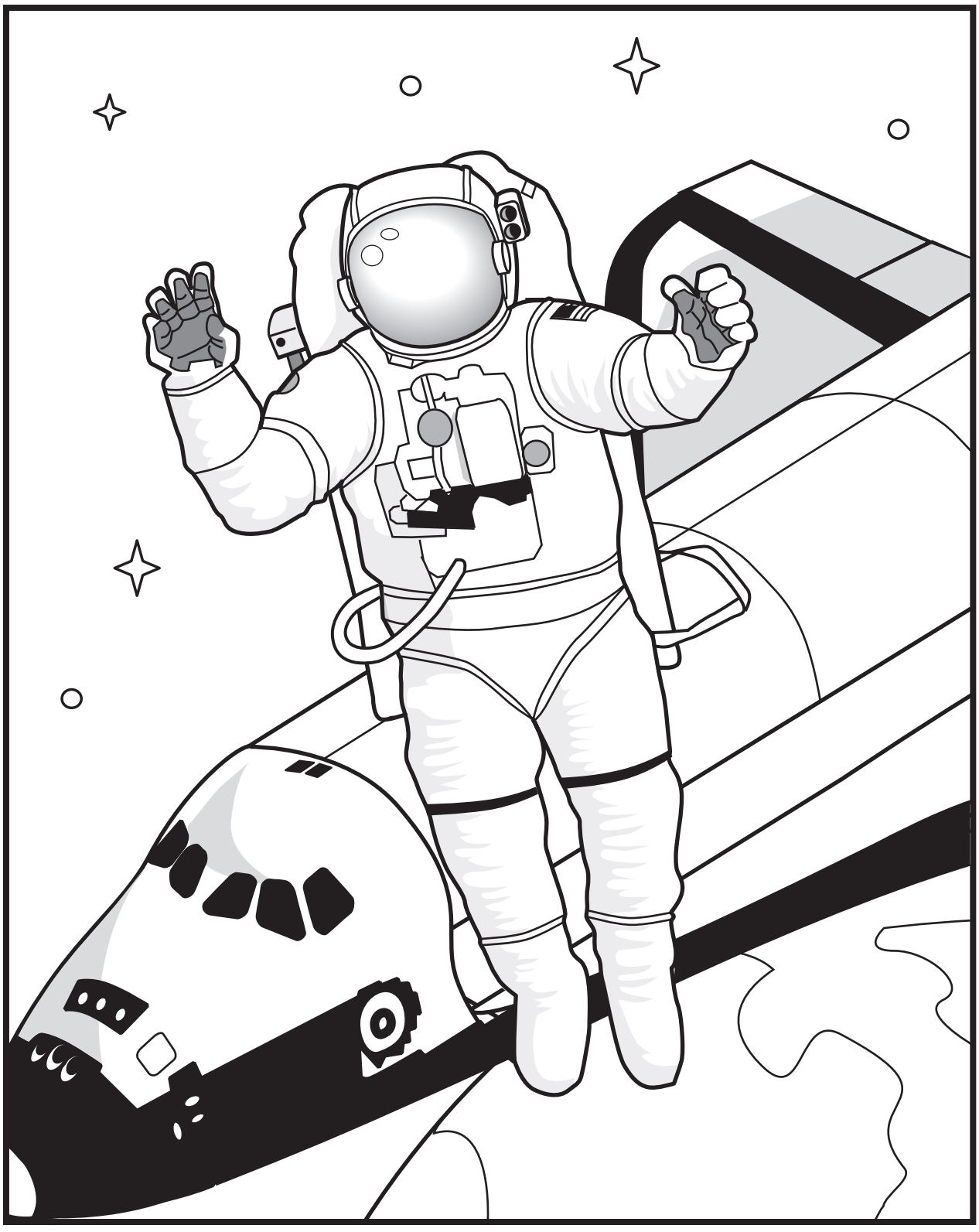
4 15 18 3 2 9 15 9 5 5 24 24 15 7 •

Solution on page 11

You can see the International Space Station in the night sky. When is the International Space Station flying over your house?

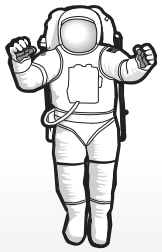
Find the answer to this question and more at spaceflight.nasa.gov

Color the Astronaut performing a Spacewalk



A-MAZE-ING!

Help the Astronaut safely return to the Space Shuttle!



Solution on page 11

Astronauts are already doing experiments in space that may help people here on Earth. What kinds of science experiments are they doing on the International Space Station this week?

Find the answer to this question and more at spaceflight.nasa.gov

International Space Station Word Search

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

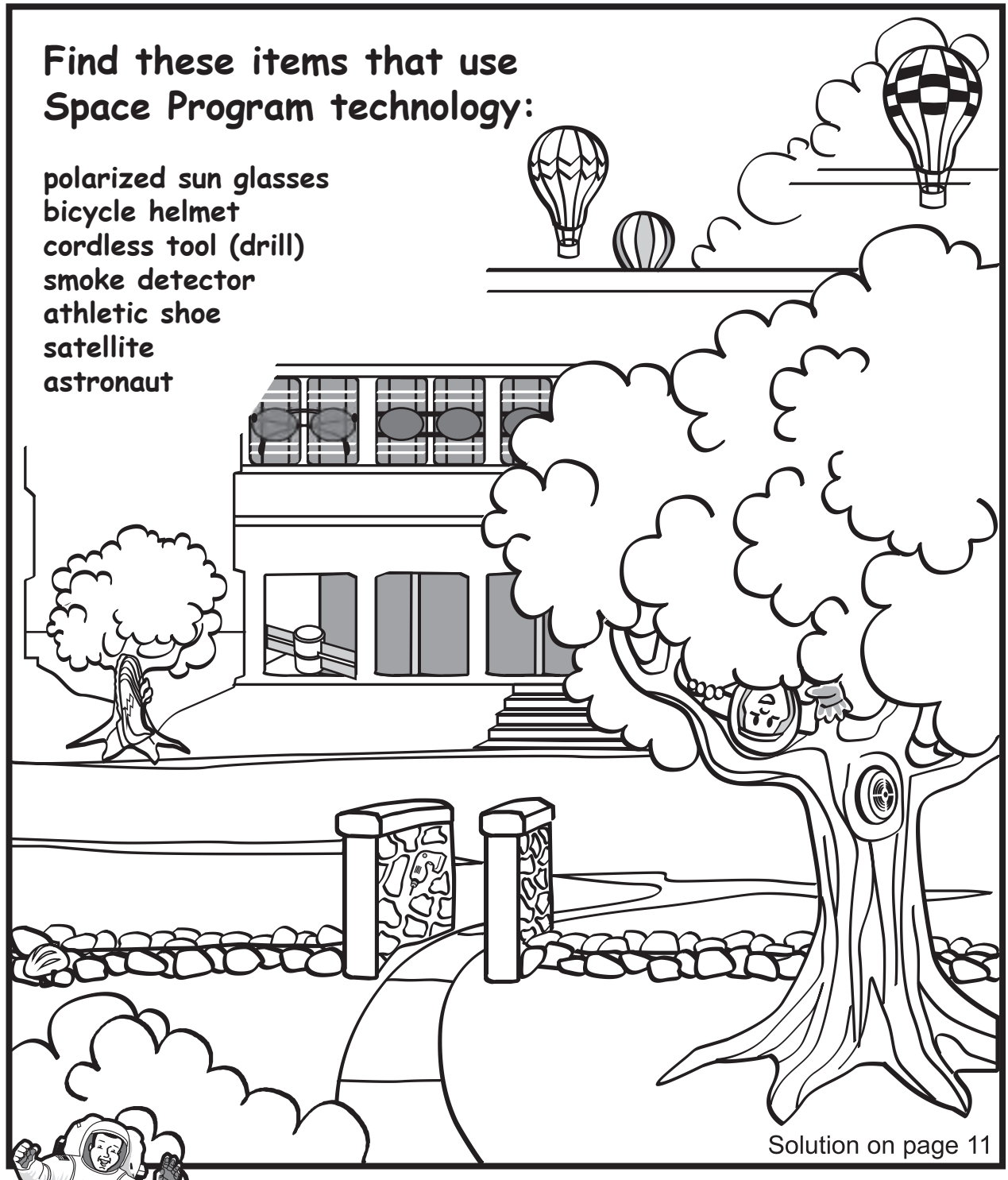
ASTRONAUT
BELGIUM
BRAZIL
CANADA
COSMONAUT
DENMARK
DESTINY
FRANCE
GERMANY
ITALY
JAPAN
NASA
NETHERLANDS
NORWAY
RUSSIA
SPAIN
SWEDEN
SWITZERLAND
UNITED KINGDOM
UNITY
USA
ZARYA
ZVEZDA

Solution on page 11

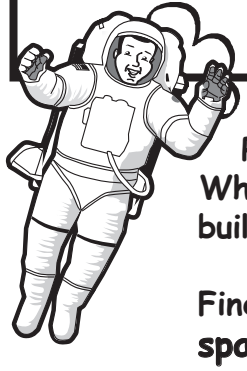
Back on Earth Hidden Pictures

Find these items that use Space Program technology:

polarized sun glasses
bicycle helmet
cordless tool (drill)
smoke detector
athletic shoe
satellite
astronaut



Solution on page 11



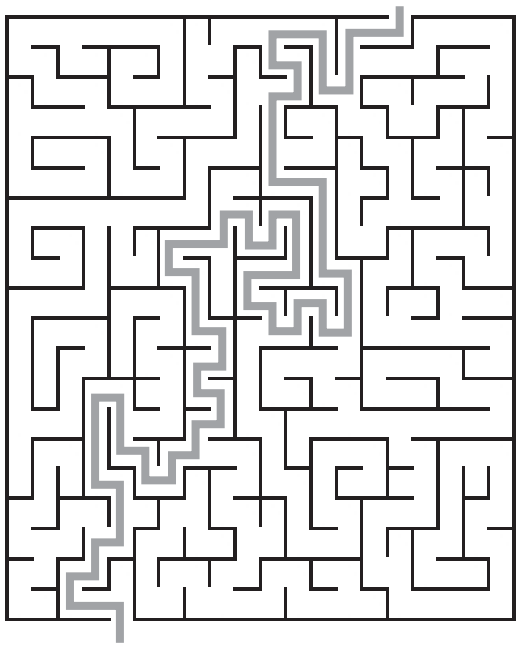
People with many different backgrounds work in the space program. What kinds of subjects do you have to study to be an engineer who builds space shuttles and space modules like the space station?

Find the answer to this question and more at spaceflight.nasa.gov

Color the portrait of the Atlantis Space Shuttle crew

Puzzle Solutions

Maze Solution:



Word Search Solution:

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

Cryptogram Solution:

The Crew of the International Space Station hopes you are having a good day.

Hidden Pictures Solution:

The polarized sun glasses are in the second-floor windows of the building.

The bicycle helmet is in the rocks lining the stream, on the left of the picture.

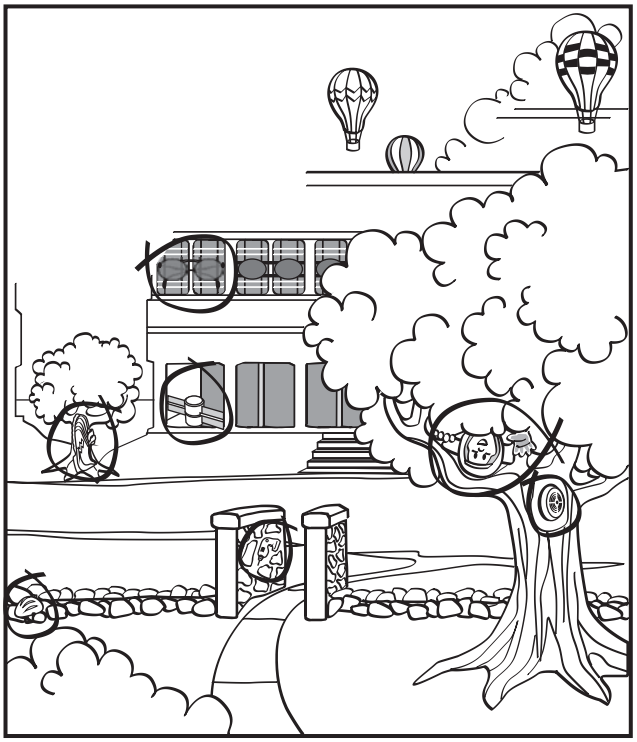
The cordless tool is in the stones on the handrail of the path over the stream.

The smoke detector is in the trunk of the large tree.

The athletic shoe is in the trunk of the small tree.

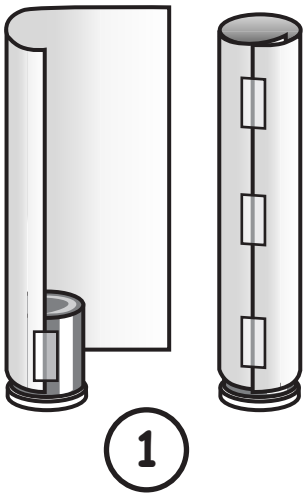
The satellite is on the first floor of the building.

The astronaut is waving from the leaves of the large tree.

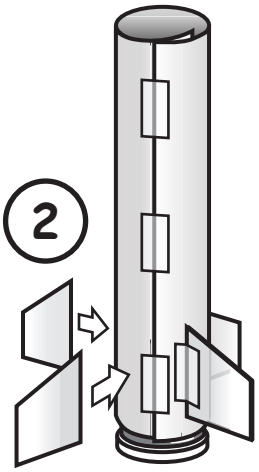


Build a Rocket that you can really launch!

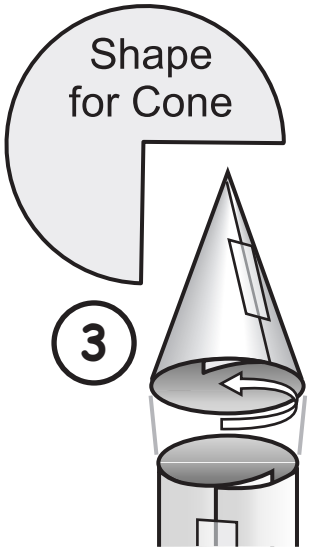
You'll need a few sheets of sturdy paper, scissors, some tape, an empty film canister, an effervescent tablet (cut in half), an outdoor surface to launch from, and eye protection.



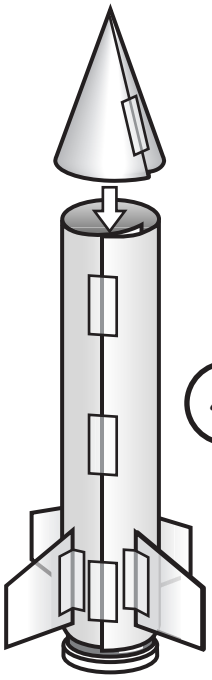
1. Set the film canister on the table, lid end down. Tape a tube of paper around the film canister. This will be your rocket.



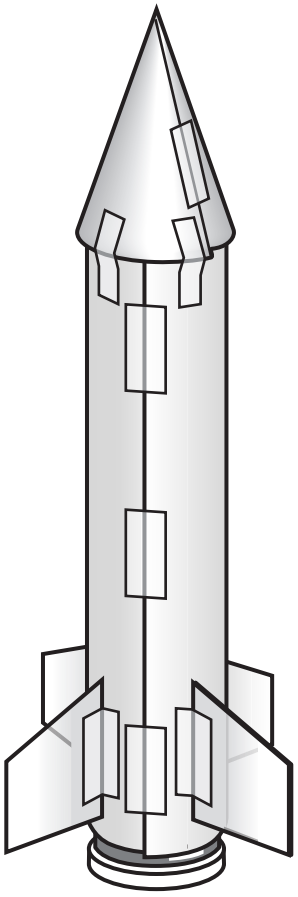
2. Cut out four fins for your rocket and tape them on.



3. Cut out a piece of paper for the cone. Roll it together as shown, with the large end slightly bigger than the top of your rocket.



4.Tape the cone onto your rocket. You're ready to launch!



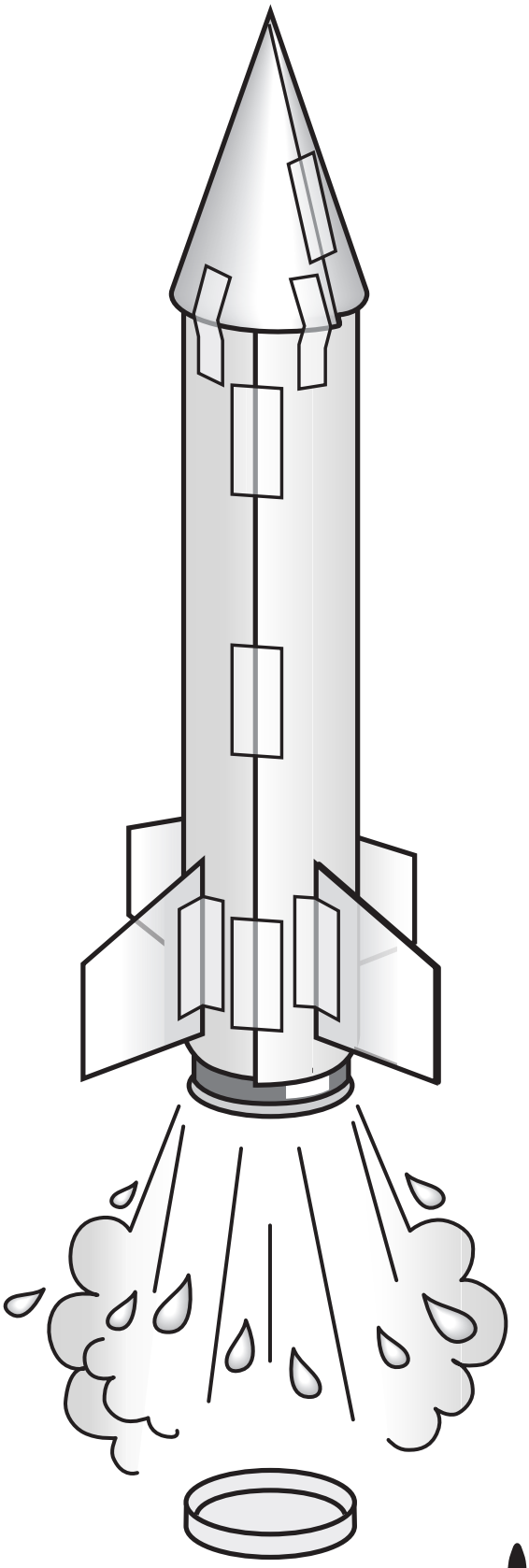
Continued on next page

3-2-1-Liftoff!

1. Put on your eye protection.
2. Turn the rocket upside down and carefully fill the canister one-third full of water.

Work quickly on the next steps!

3. Drop in 1/2 of the effervescent tablet.
4. Snap the lid on tight.
5. Stand the rocket on the launch platform.
6. Stand back and watch the launch!



Things to think about:

What will you name your rocket?

_____

Where would you send it?

_____

What would you carry on it?

_____

_____

National Aeronautics and Space Administration

Marshall Space Flight Center
Huntsville, AL 35812
www.nasa.gov/centers/marshall

www.nasa.gov

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