

Gravity

1

When I throw a ball up in the air, it comes back down.

When I jump up high, I come down.

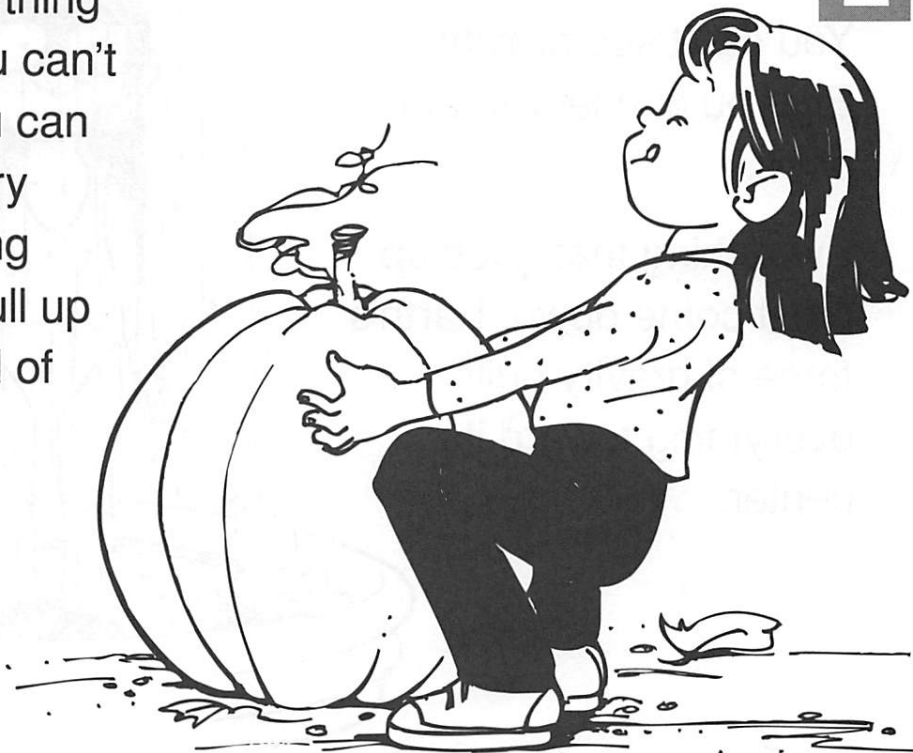
Why does the ball come down?

Why don't I float off into space?



Gravity holds everything down on Earth. You can't see gravity, but you can feel what it does. Try to pick up something heavy. You must pull up harder than the pull of gravity to lift it.

2



3

Earth isn't the only place with gravity. Gravity is on the moon, too. But the pull of gravity on the moon is not as strong as on Earth. If you were walking on the moon, you could take giant steps. You would not weigh as much as you do on Earth.



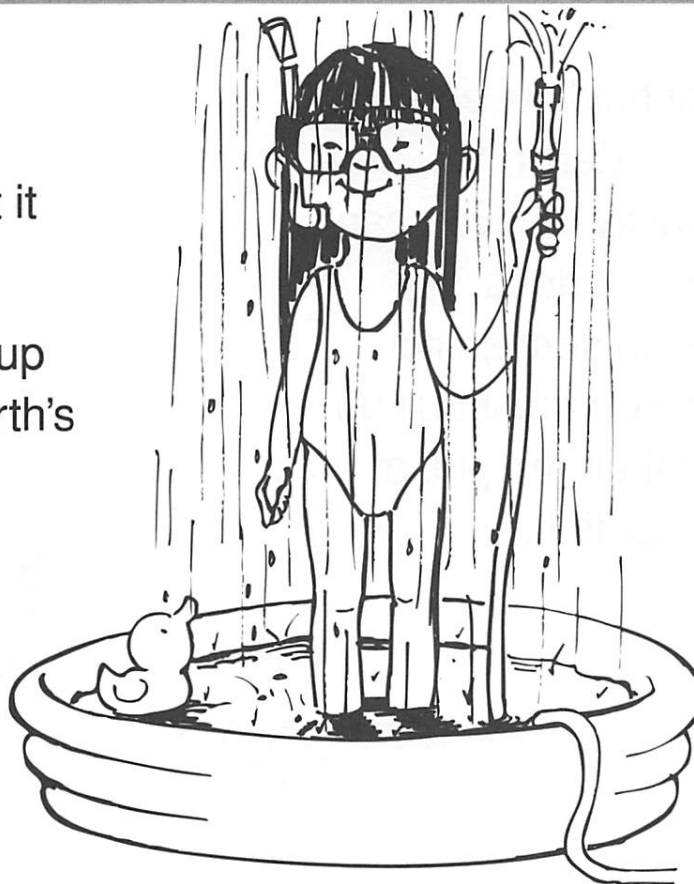
Gravity is on other planets, too. On the planet Jupiter, gravity is much stronger than on Earth. It would be hard for you to walk on Jupiter. You would feel like you were carrying a heavy weight.



4

You can't see gravity.
But you can feel what it
does.

Everything that goes up
must come down. Earth's
force of gravity pulls
everything toward its
center.



Name _____



Questions about Gravity

Write four things that you learned about gravity.

1. _____

2. _____

3. _____

4. _____

Draw a picture of how something you do might change without gravity.

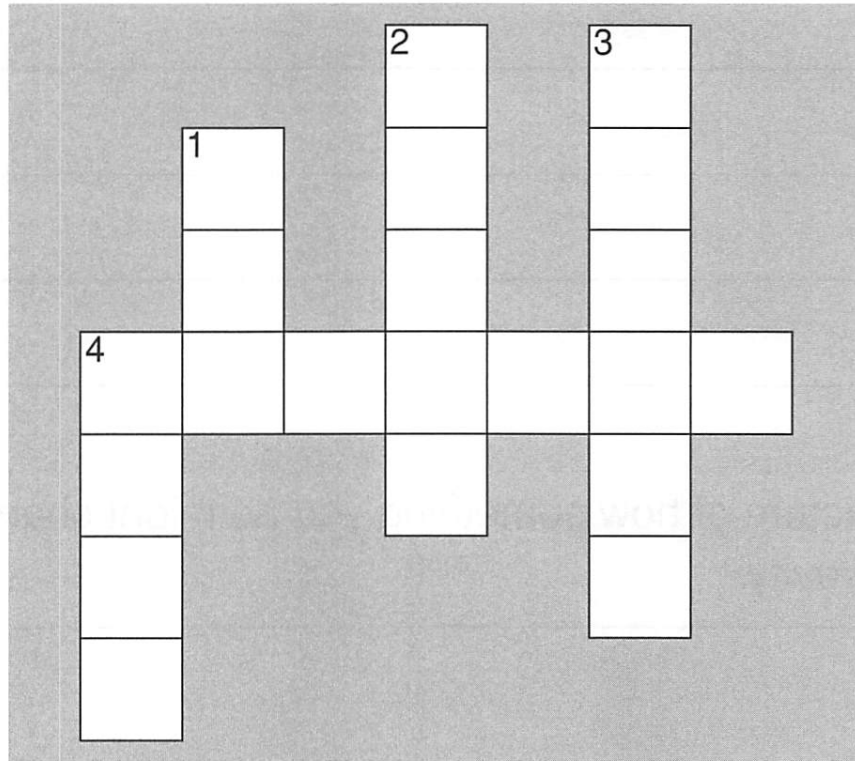
A large, empty rectangular box with a black border, intended for a student to draw a picture illustrating how an activity might change in a zero-gravity environment.

Name _____



Vocabulary

Use the words in the word box to complete the puzzle.



Across

4. _____ holds everything down on Earth.

Down

1. Throw a ball up in the _____.
2. Some things are light. Some things are _____.
3. Earth's force of gravity pulls things toward its _____.
4. Everything that _____ up must come down.

Word Box

goes	gravity	air
center	heavy	

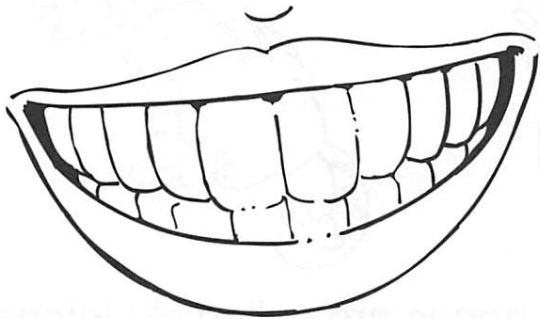
Name _____



Working with Word Families

-ace

br + ace = _____



Draw **braces** on the teeth.

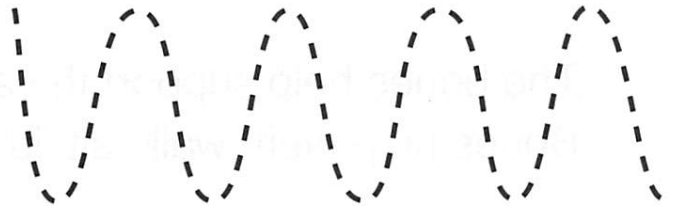
pl + ace = _____

Draw your favorite hiding **place**.

sp + ace = _____

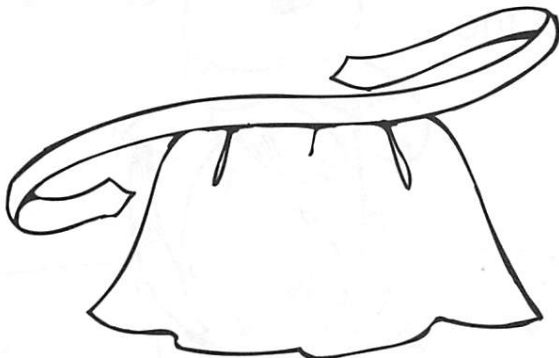
Draw a rocket out in **space**.

tr + ace = _____



Trace the line.

l + ace = _____



Draw **lace** on the apron.

f + ace = _____



Draw a smile on the **face**.