

Name: _____

mystery science

Kindergarten

Student Booklet

What are you curious about?



Animal Needs

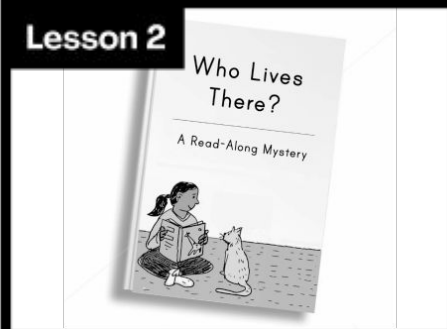
Grade K • NGSS • Unit Worksheets

Lesson 1



Why do woodpeckers
peck wood?

Lesson 2



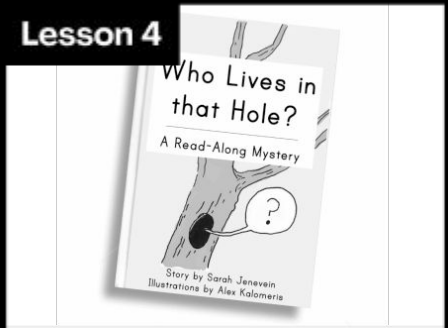
Where do animals live?

Lesson 3



How can you find
animals in the woods?

Lesson 4



How do animals make
their homes in the
forest?

I am also curious about...

Name: _____

Draw an animal eating its food.

My animal is a...

It eats...

Name: _____

Draw an animal in its home.

My animal is a...

It makes its home in...

Name: _____

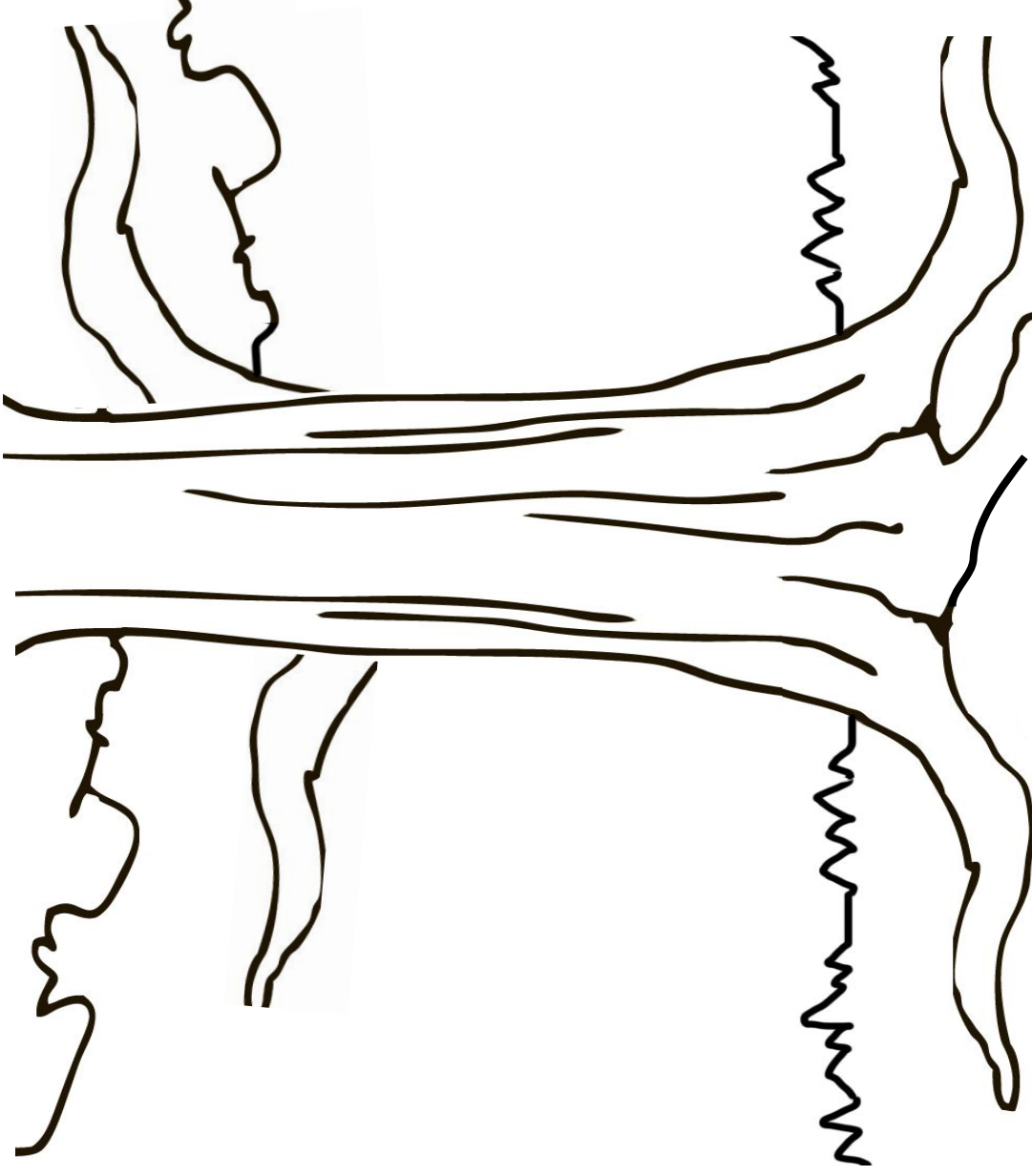
Draw an animal staying safe.

My animal is a...

It stays safe by...

Name: - - - - -

Draw an animal making its home in the tree.



My animal is a... - - - - -

Plant Needs

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Lesson 1



Are plants alive?

Lesson 2



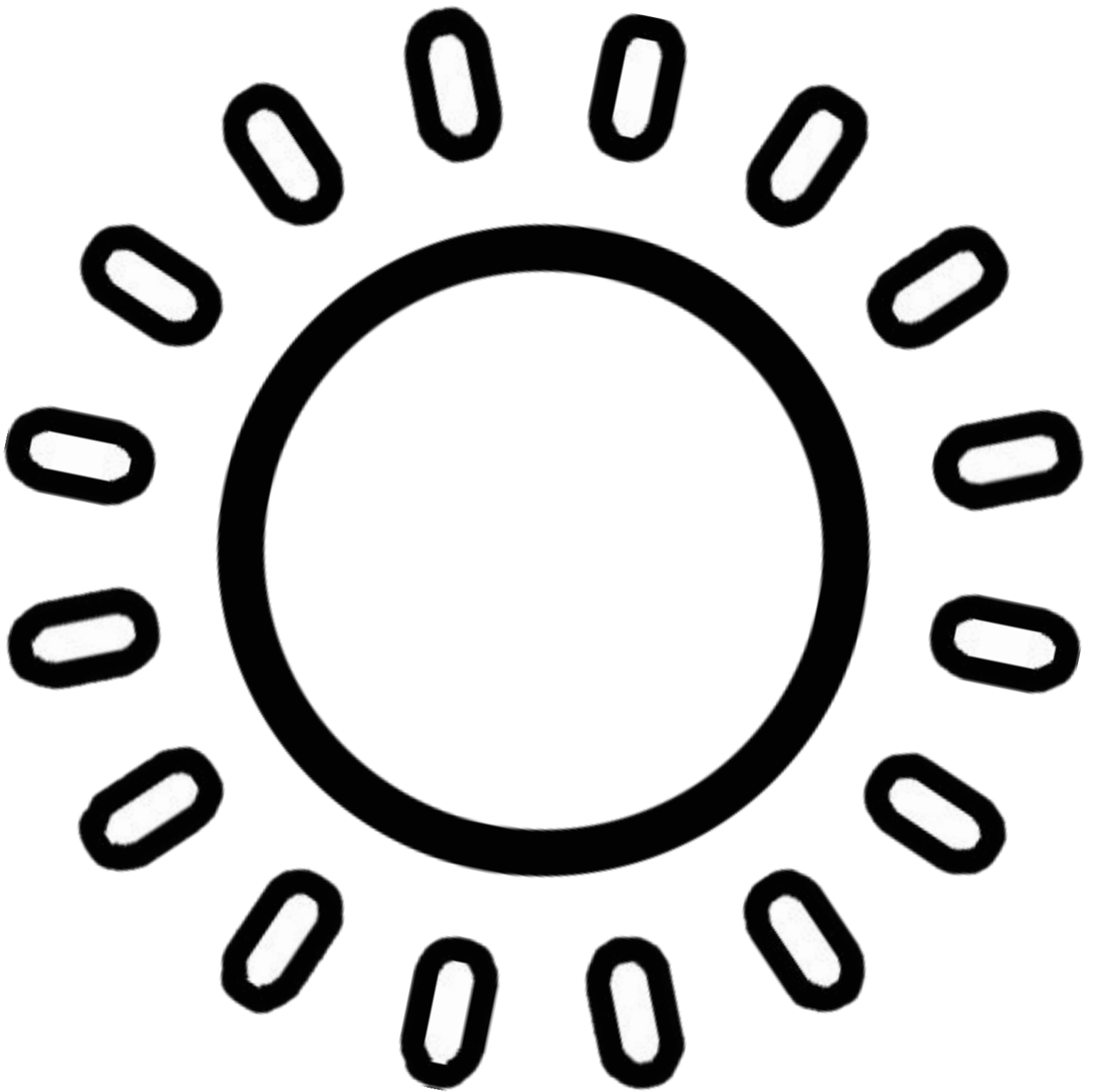
How do plants and trees grow?

Lesson 3



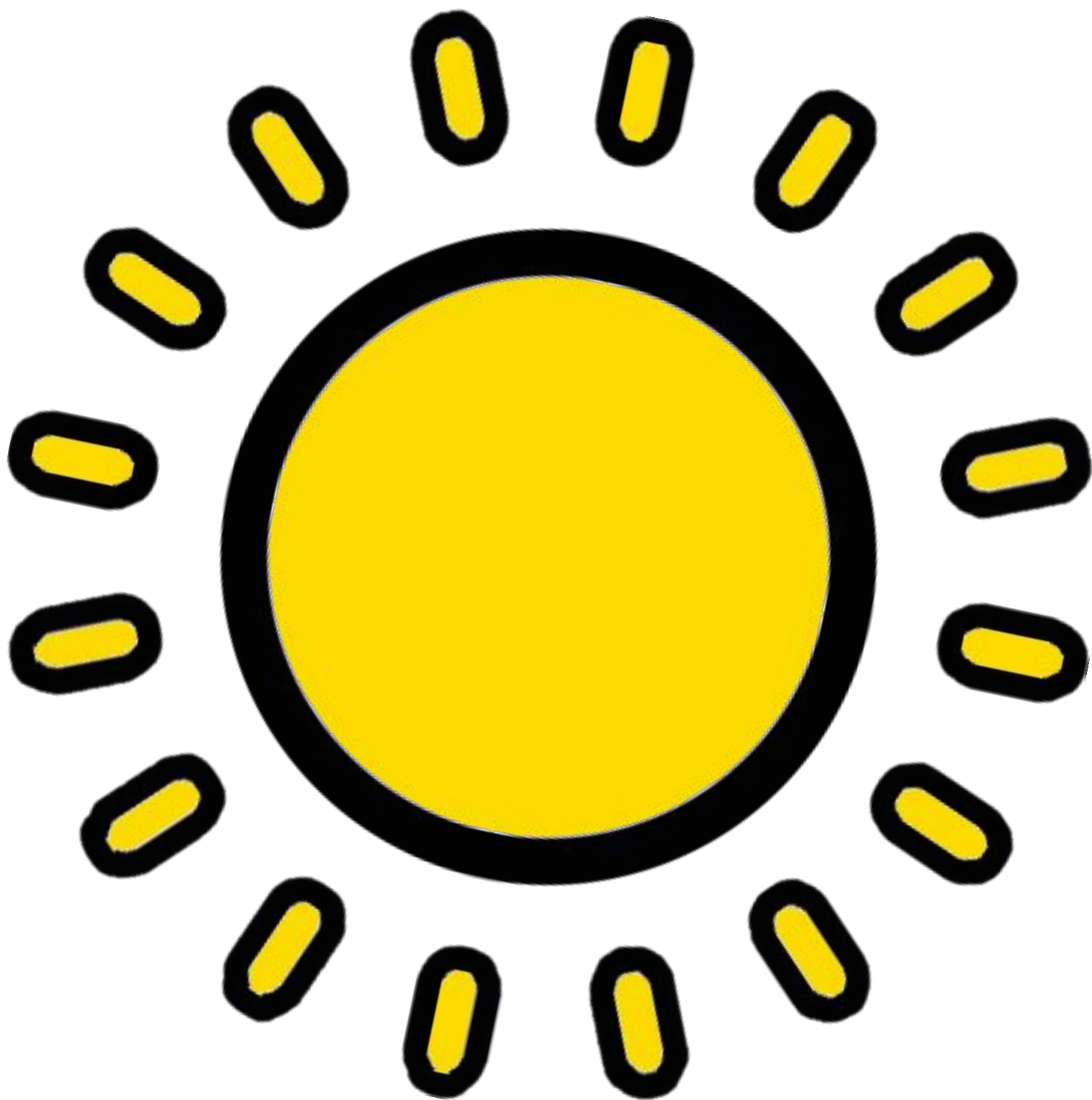
Why would you want an old log in your backyard?

I am also curious about...



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Are plants alive?

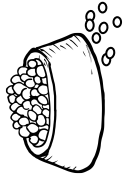


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Are plants alive?

Name: _____

Circle each picture that NEEDS...



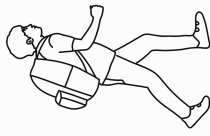
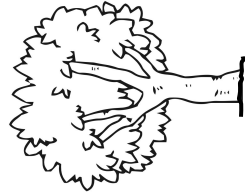
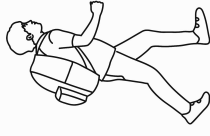
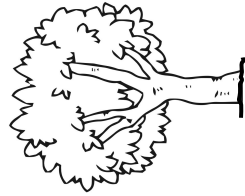
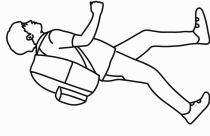
Food



Water



Light



Name: _____

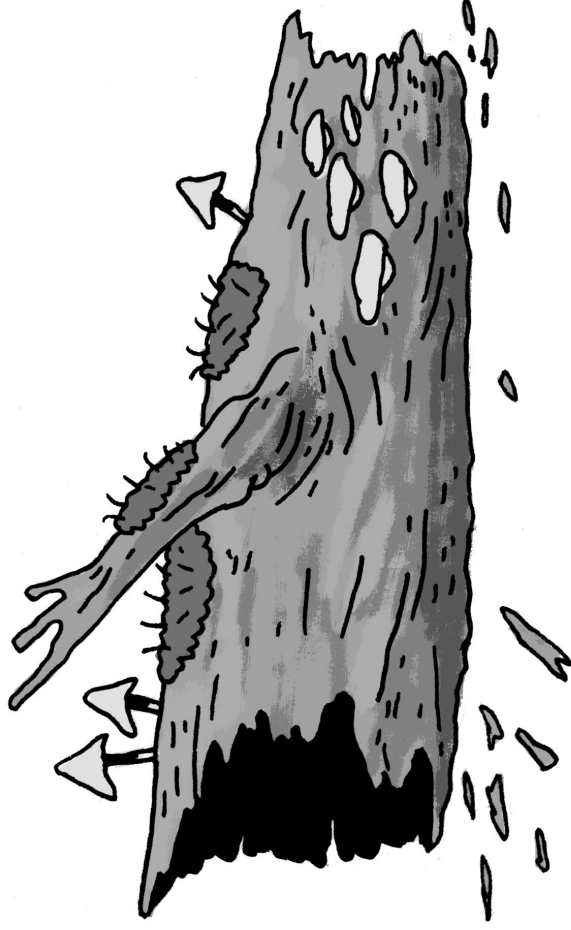
What do seeds need to grow? Draw your ideas
below.



Seeds need...

Name: - - - - -

Draw an animal that would visit an old log.



My animal is a...

It comes to the log to...

Severe Weather

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Lesson 1



How can you get ready for a big storm?

Lesson 2



Have you ever watched a storm?

Lesson 3



How many different kinds of weather are there?

I am also curious about...

Name: _____

How can you get ready for a big storm? Draw 1 or 2 ideas.

I will... _____

Name: _____

Draw a picture of your Breeze Buddy.

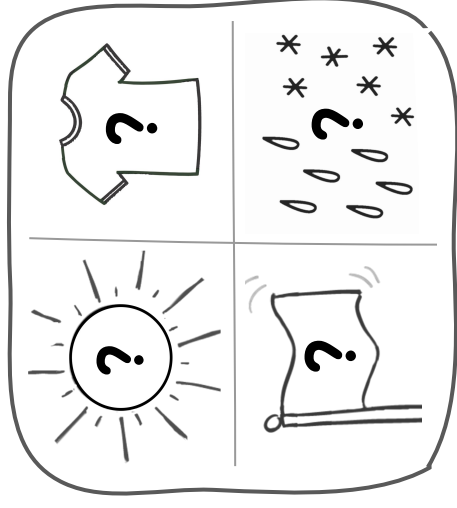


When a soft wind blows.

When a strong wind blows.

Name:

Date:



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How many different kinds of
weather are there?

Name: _____

Draw your favorite kind of weather.

Describe the weather you drew above.

Weather Patterns

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Lesson 1



How do you know what to wear for the weather?

Lesson 2



What will the weather be like on your birthday?

Lesson 3



Why do birds lay eggs in the spring?

I am also curious about...

Name _____

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How do you know what to wear for the weather?

Weather

Day 1



sunny



partly
sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Day 2



sunny



partly
sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Day 3



sunny



partly
sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Day 4



sunny



partly
sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Name _____

mystery science

How do you know what to wear for the weather?

Weather

Day —



sunny



partly sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Day —



sunny



partly sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Day —



sunny



partly sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Day —



sunny



partly sunny



cloudy



hot



mild



cold



rainy



snowy



dry

Name: - - - - -

Draw what Kevin had to wear during different
parts of the day.

Morning

Midday

It was hotter (circle one) in the
early morning.

It got hotter / cooler (circle one) in the
middle of the day.



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What will the weather be like on your birthday?



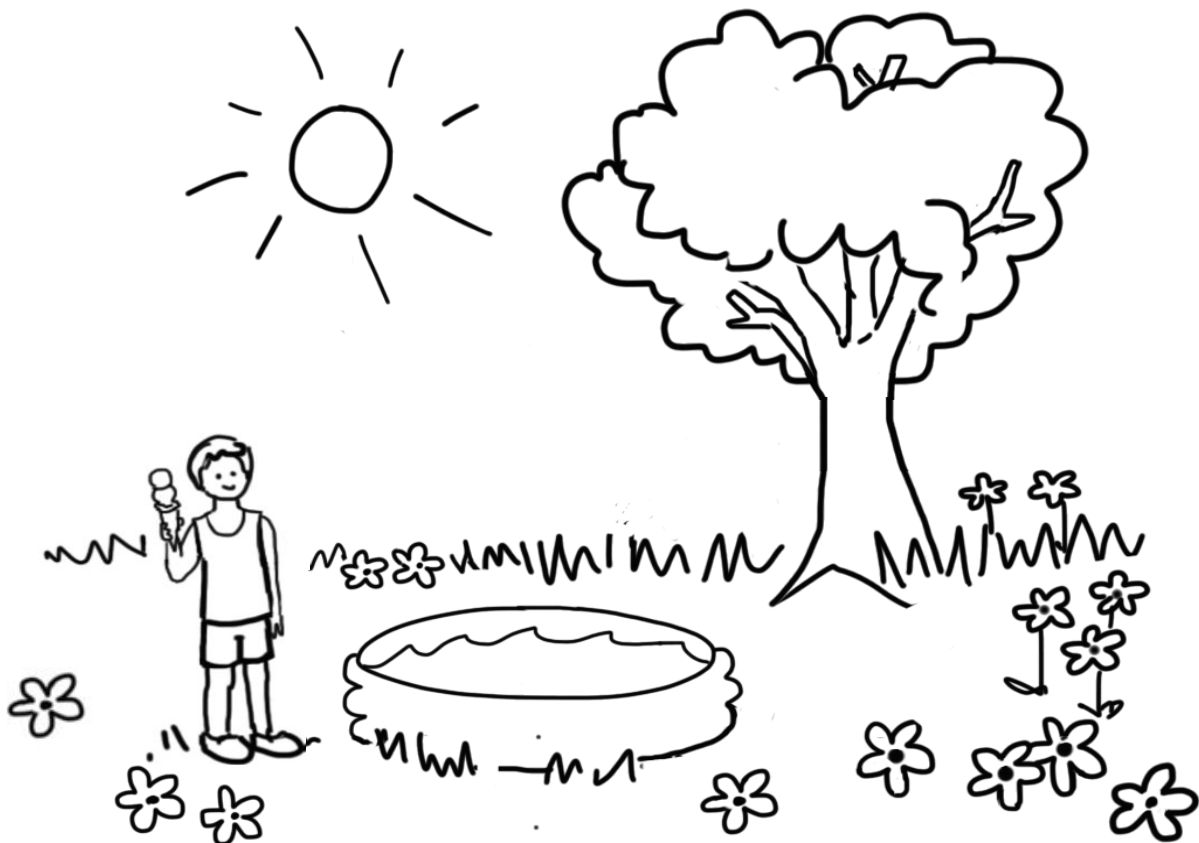
mystery science

What will the weather be like on your birthday?



mystery science

What will the weather be like on your birthday?

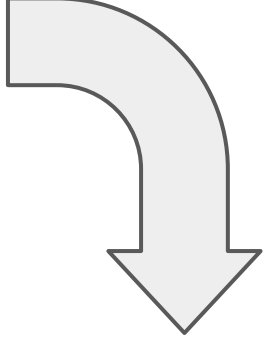
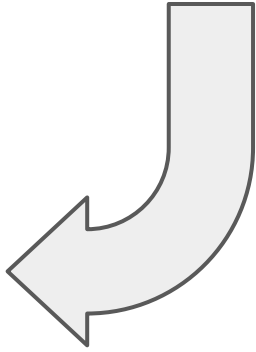
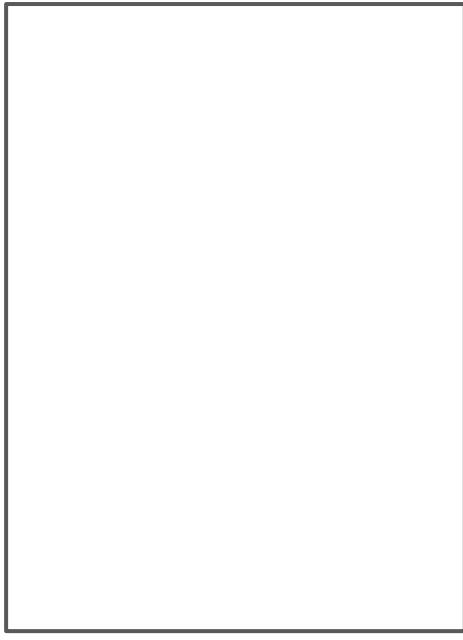
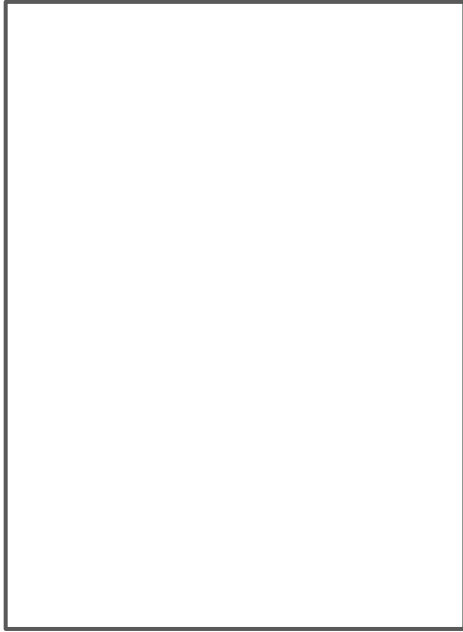
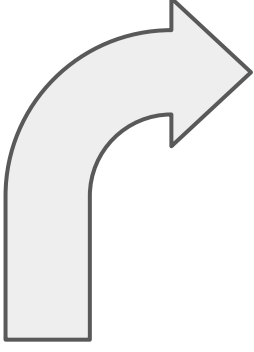
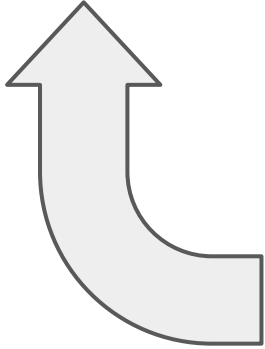
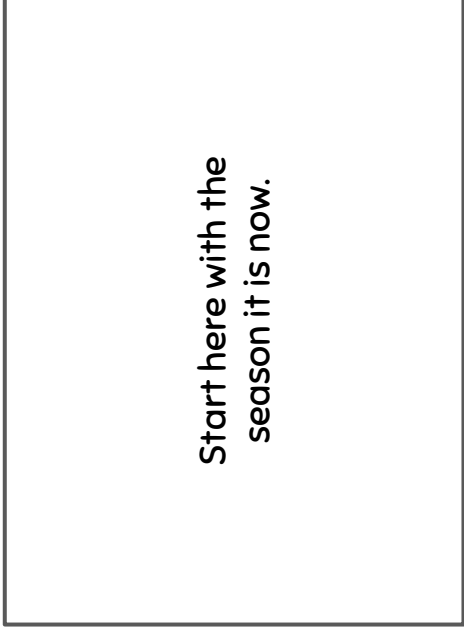


mystery science

What will the weather be like on your birthday?

Name: _____

Cut and glue the seasons in order.





Autumn



Spring



Winter



Summer



Autumn



Spring



Winter



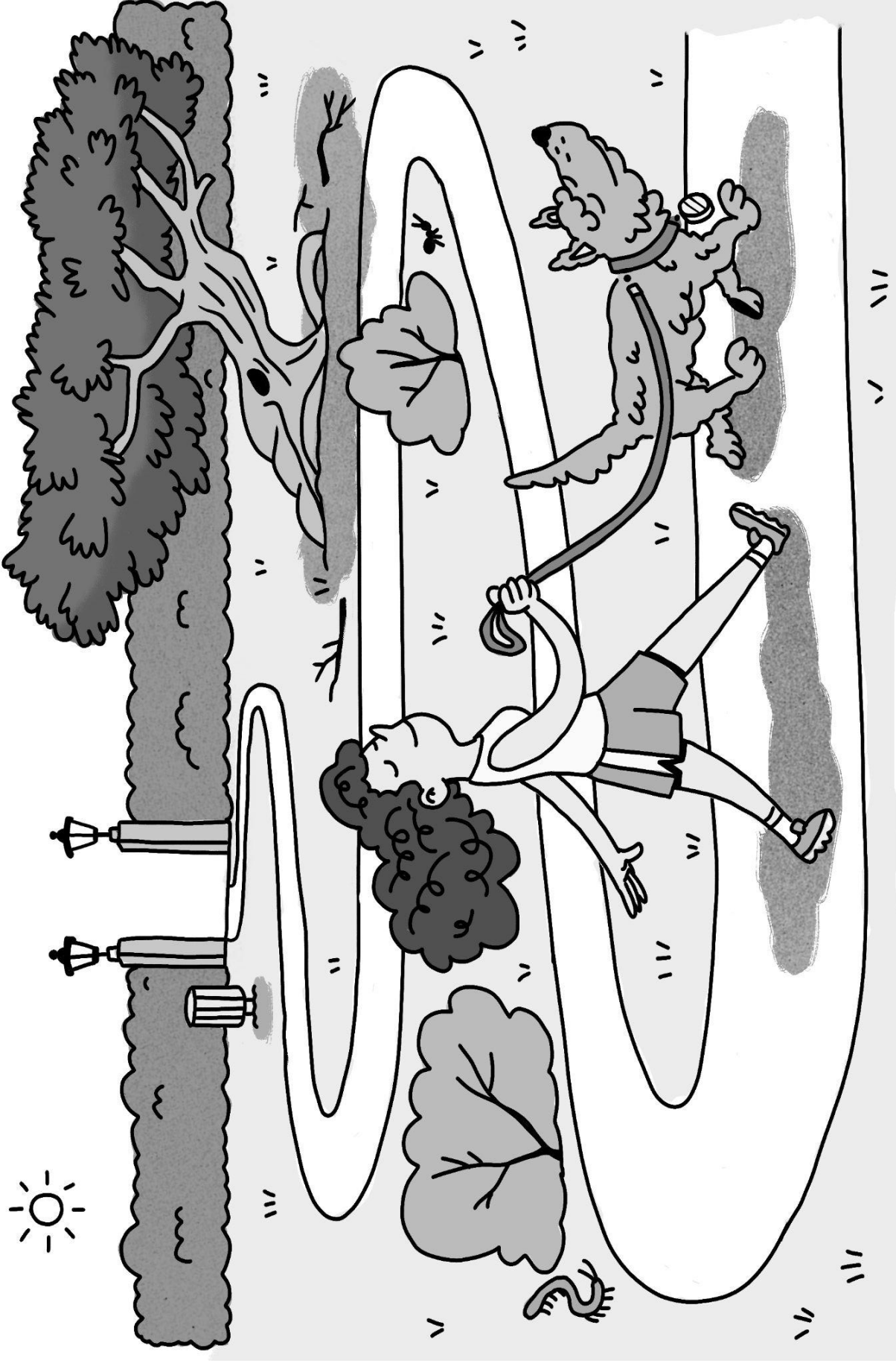
Summer



Name: - - - - -

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Why do birds lay eggs in the spring?



Circle all the things a bird could use to build a nest.

Sunlight & Warmth

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Lesson 1



How could you walk barefoot across hot pavement without burning your feet?

Lesson 2



How could you warm up a frozen playground?

Lesson 3



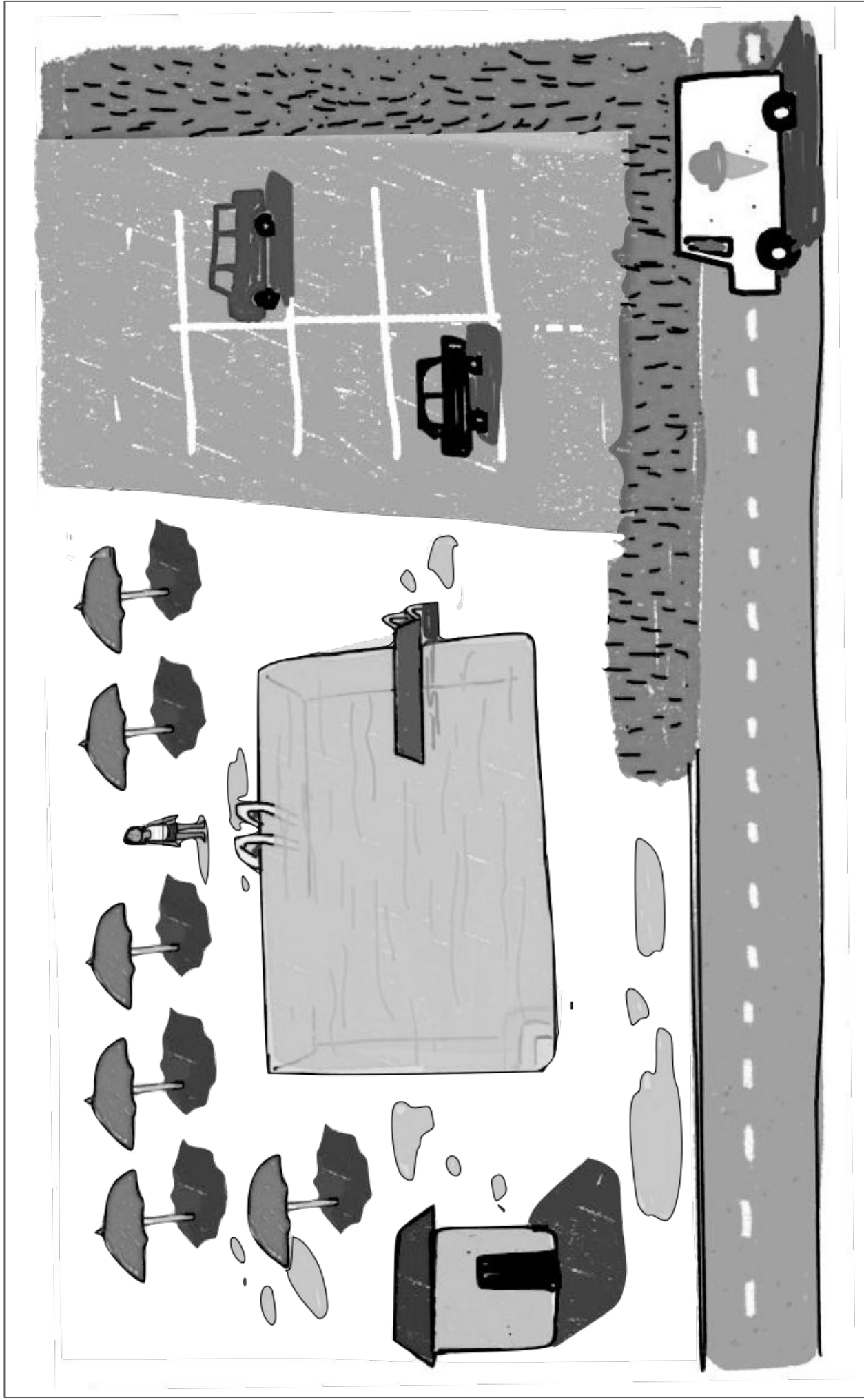
Why does it get cold in winter?

I am also curious about...

Find a cool path for Keya.

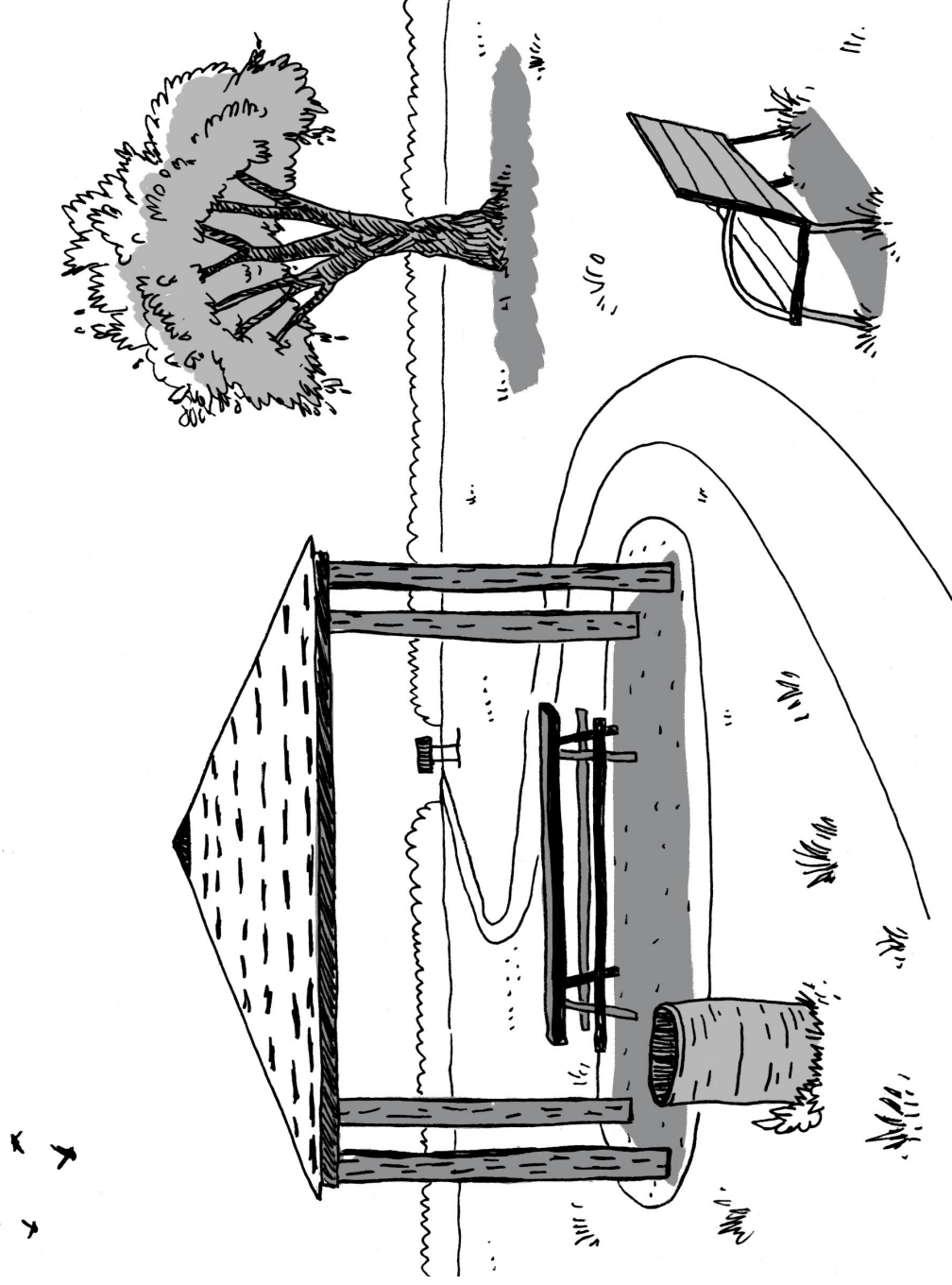
mystery science

How could you walk barefoot across hot pavement without burning your feet?

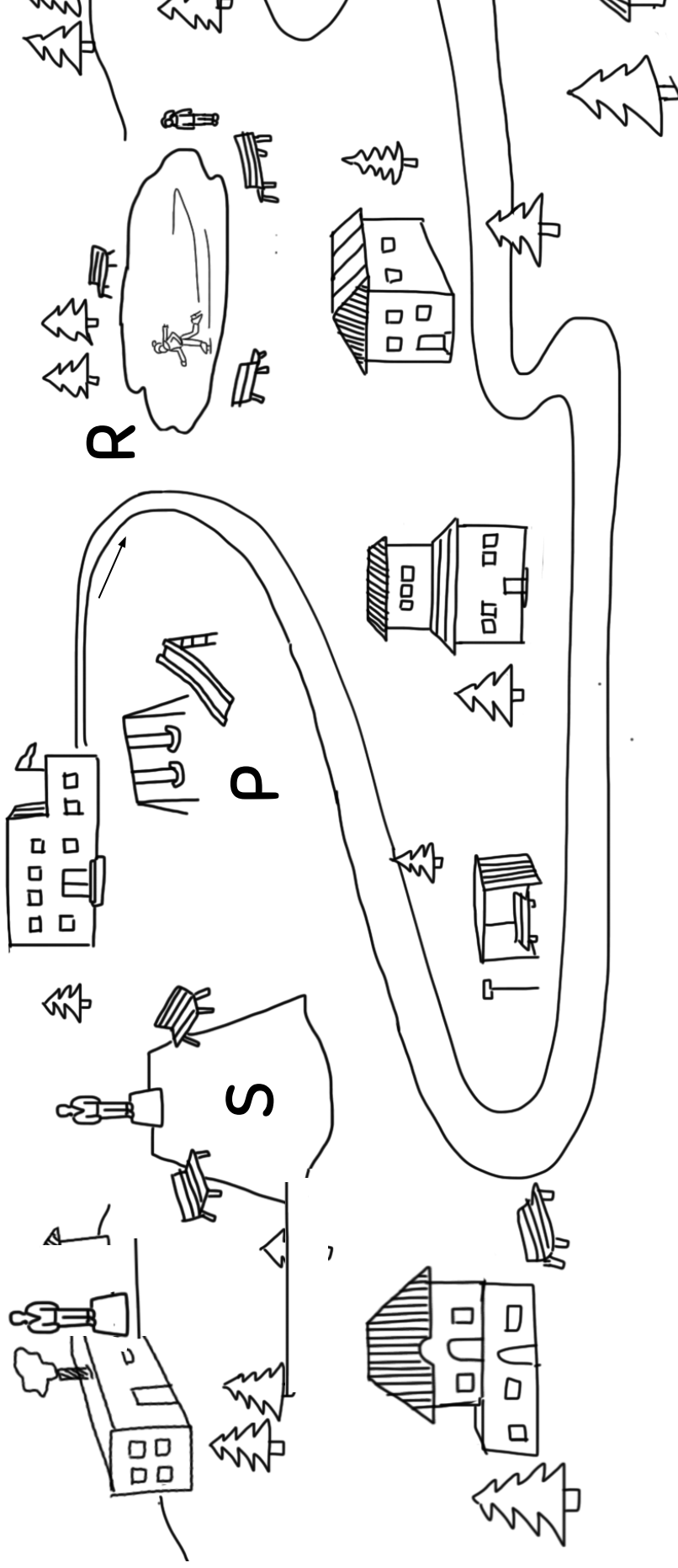
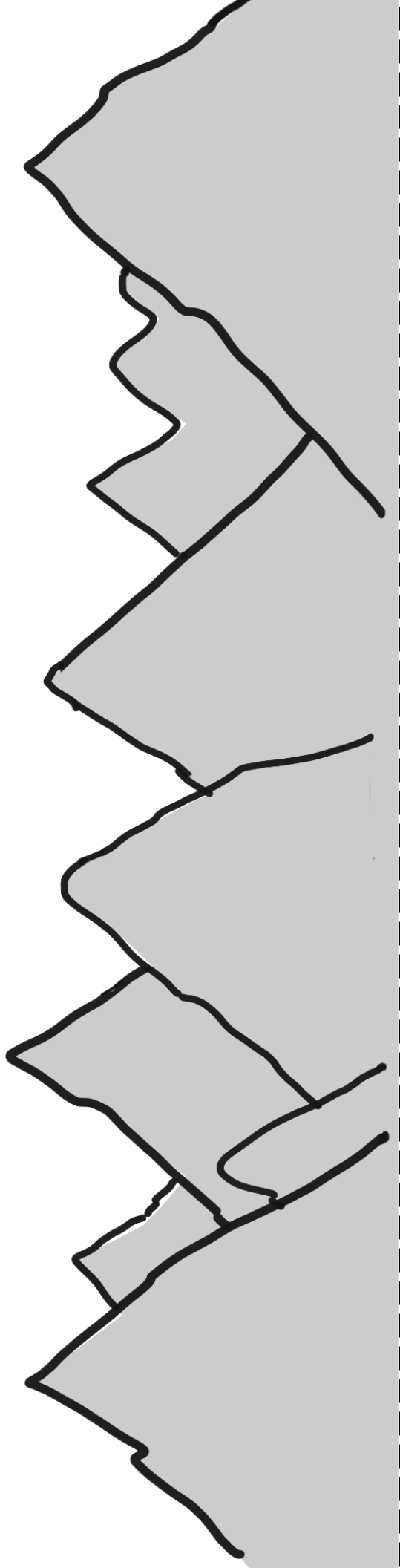


Name: _____

Mark places with an "X" where you could stay cool.



It is cooler where...



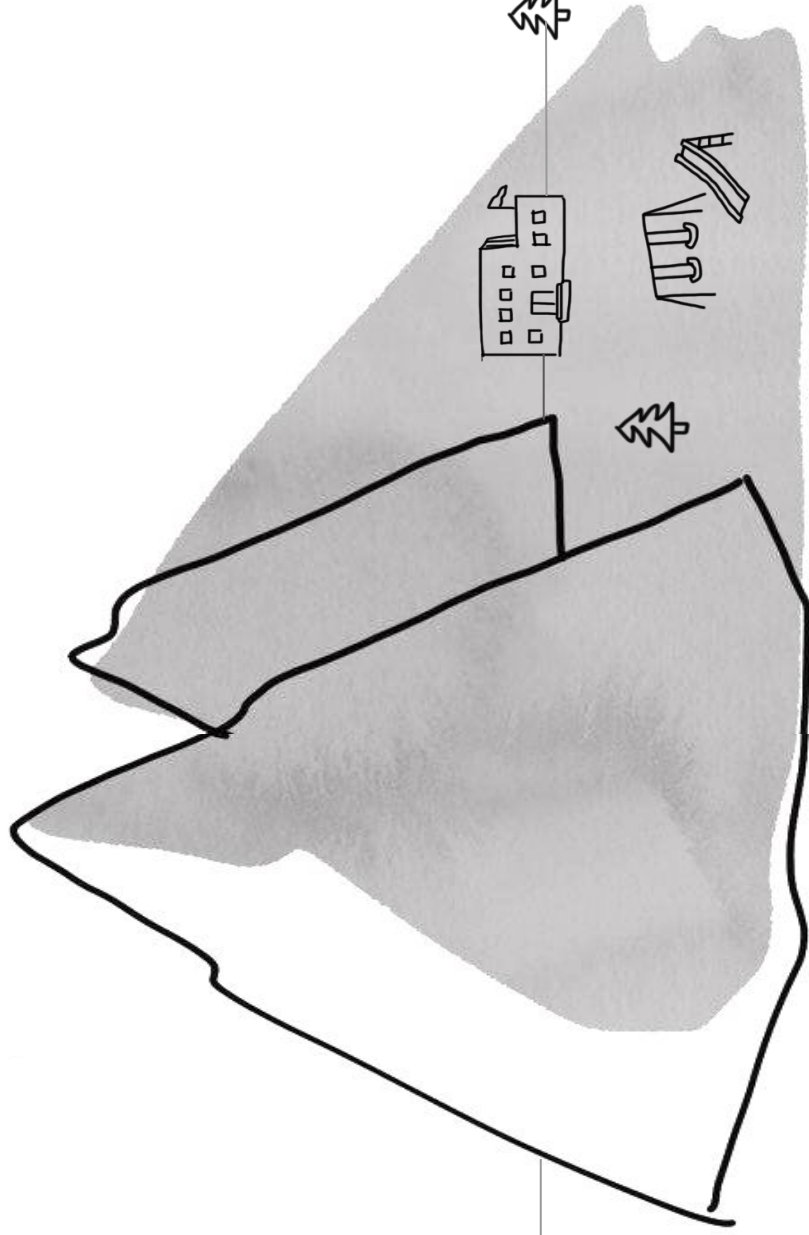
Chill City

mystery science

How could you warm up a frozen playground?

Name:

Draw what you would build to keep the playground warm.

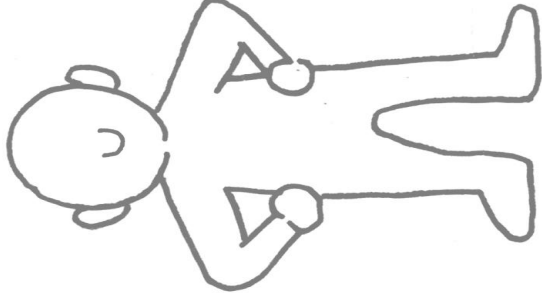
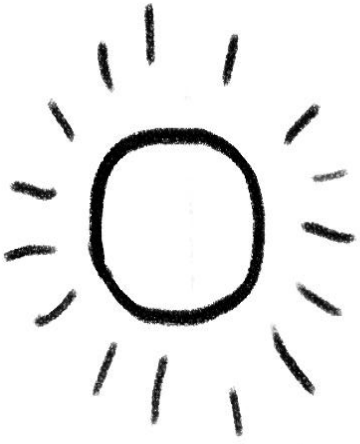


mystery science

How could you warm up a frozen playground?

Name: _____

What would you build to keep this person cool?
Draw your ideas below.



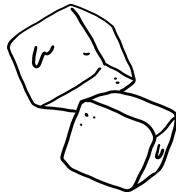
Name: _____

There are 5 pairs of things.

Some things were in the Sun and some in the shade.

Circle each thing that was in the Sun.

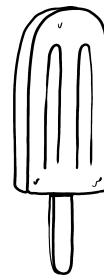
1.



2.



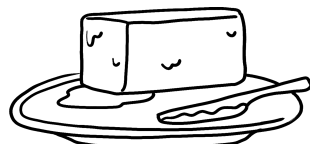
3.



4.



5.



Pushes & Pulls

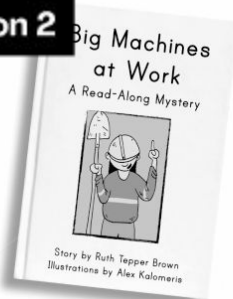
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Lesson 1



What's the biggest excavator?

Lesson 2



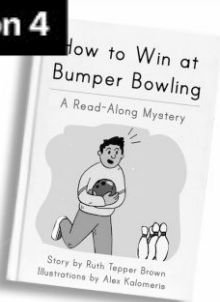
Why do builders need so many big machines?

Lesson 3



How can you knock down a heavy wall?

Lesson 4



How can you knock down the most bowling pins?

Lesson 5



How can we protect a mountain town from falling rocks?

Lesson 6

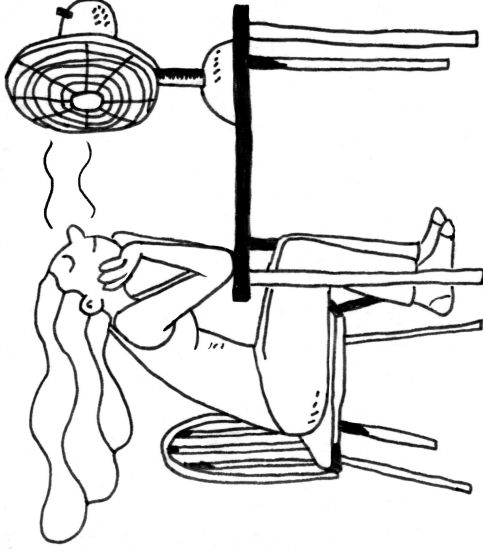
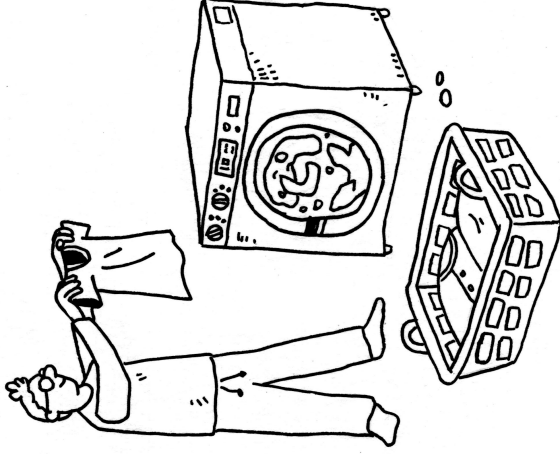
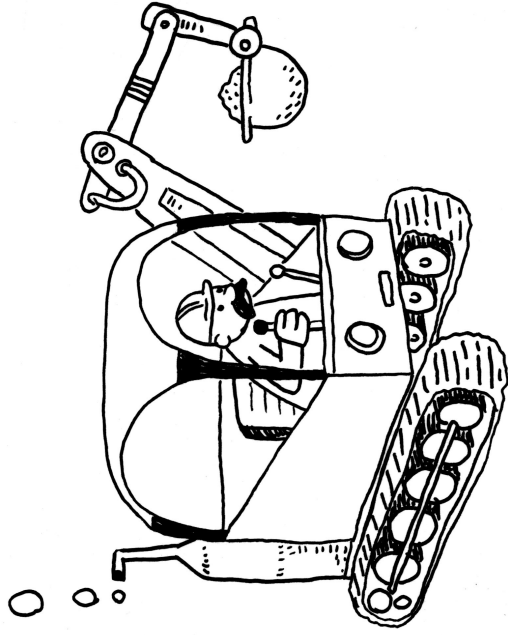


How could you invent a trap?

I am also curious about...

Name: - - - - -

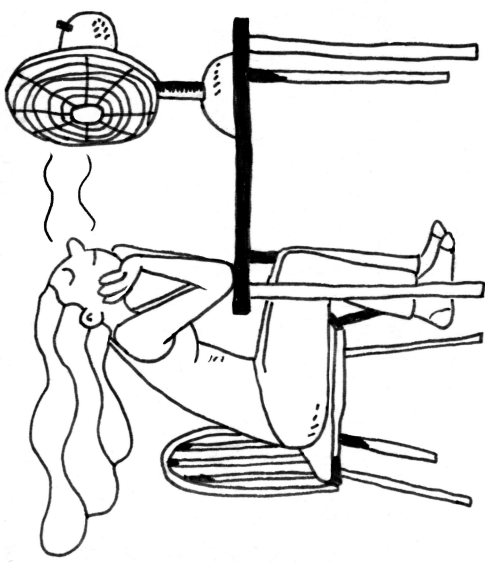
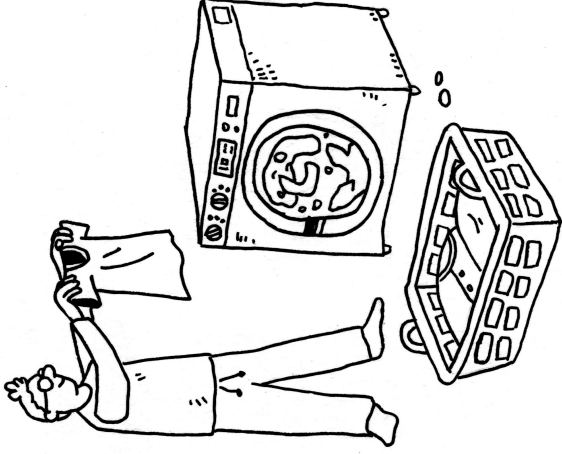
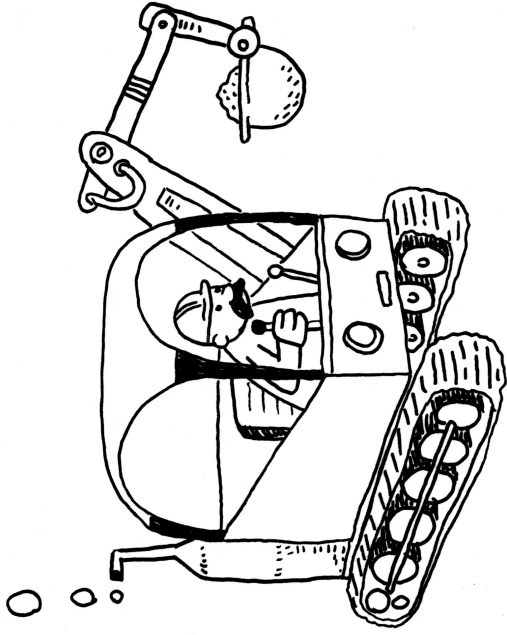
Circle the machines that spin.



Machines help humans...

Name: - - - - -

Draw a line from the machine to the work it does.



washes

digs

spins

Machines help humans...

Name: _____

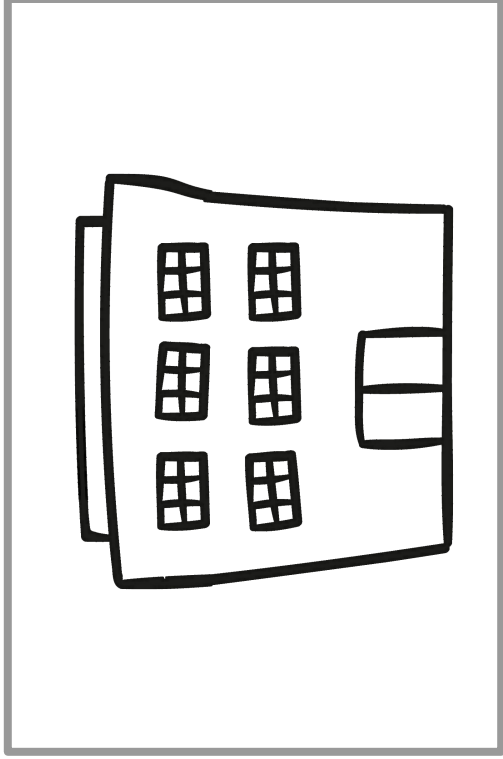
Draw your favorite big machine doing work.

My machine is called a...

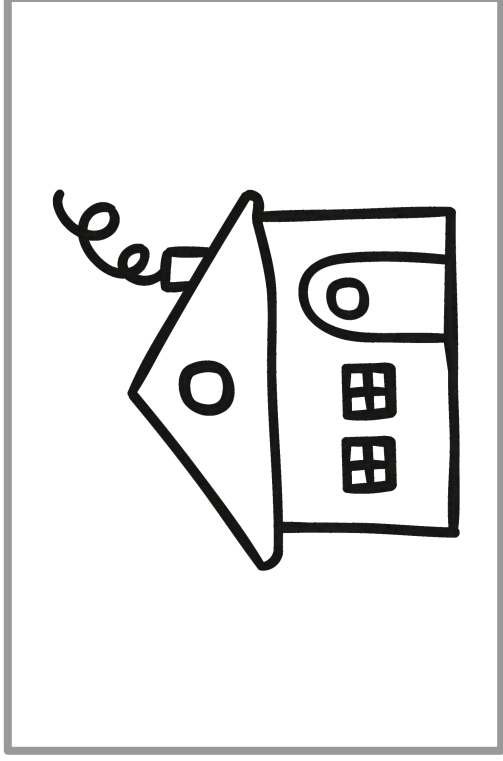
Circle the work it does, or add your own word.

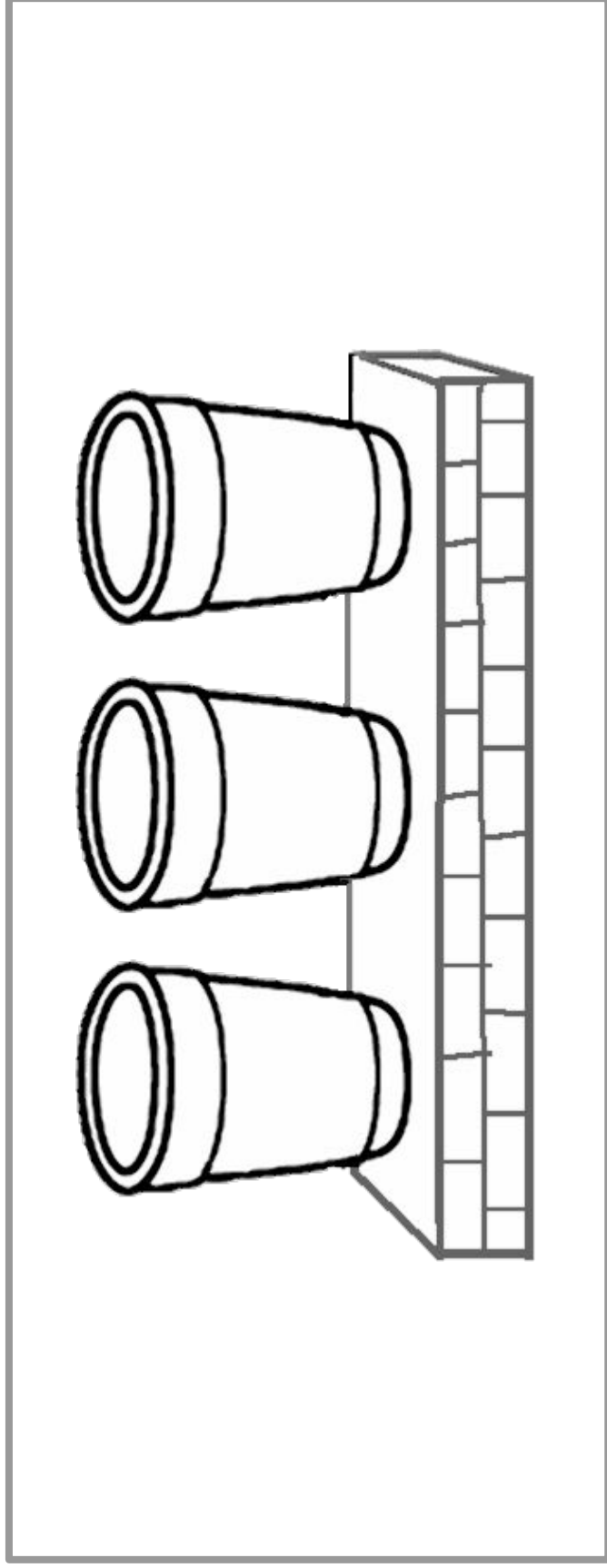
push tilt spin lift dig pull _____

house



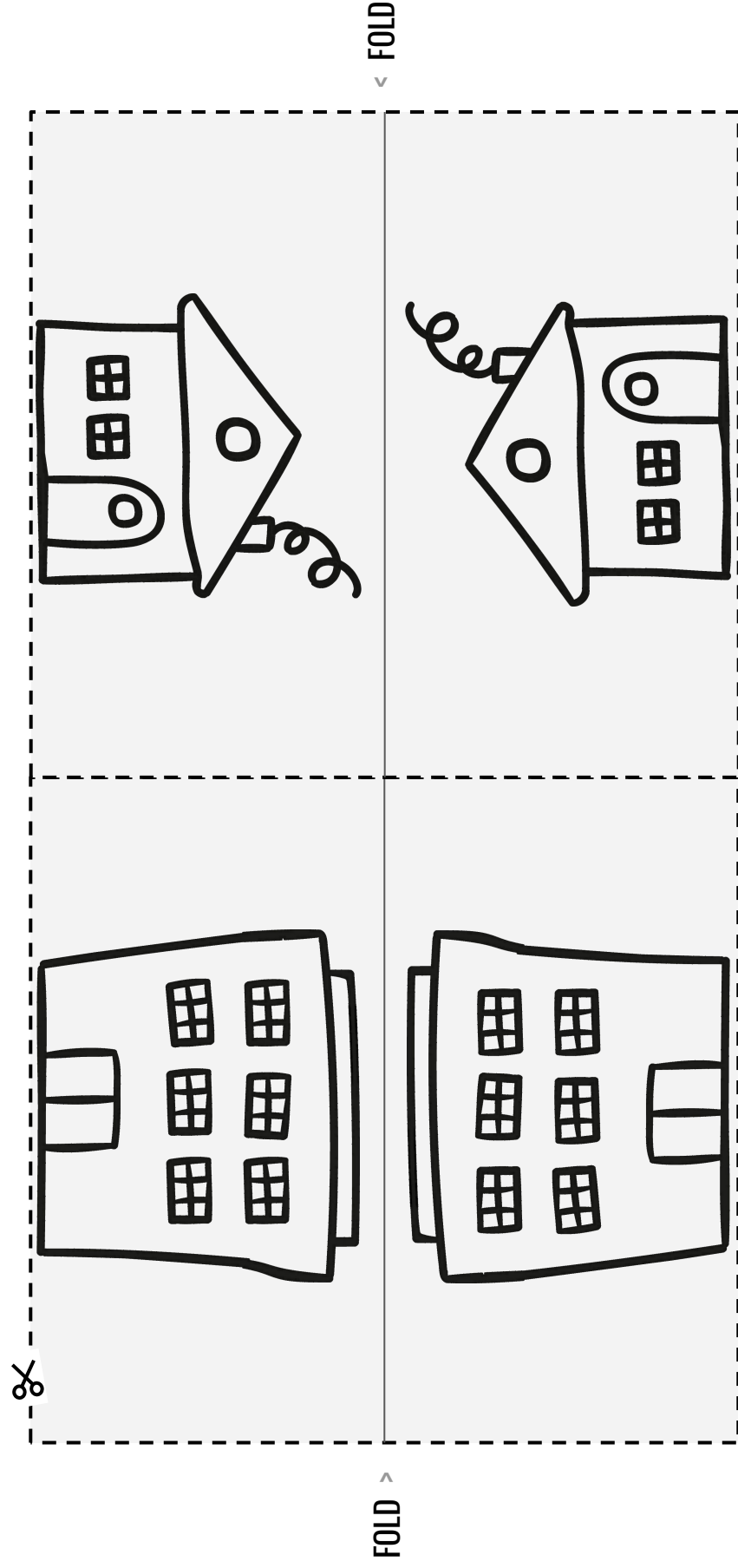
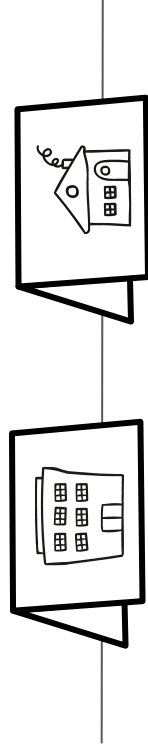
house





wall

PREP THE HOUSES: Cut the dotted lines so you have 2 house templates. Fold on the solid lines so they stand up like this:



The Foldable Houses

The Foldable Wrecking Ball

A

PREP THE WRECKING BALL:

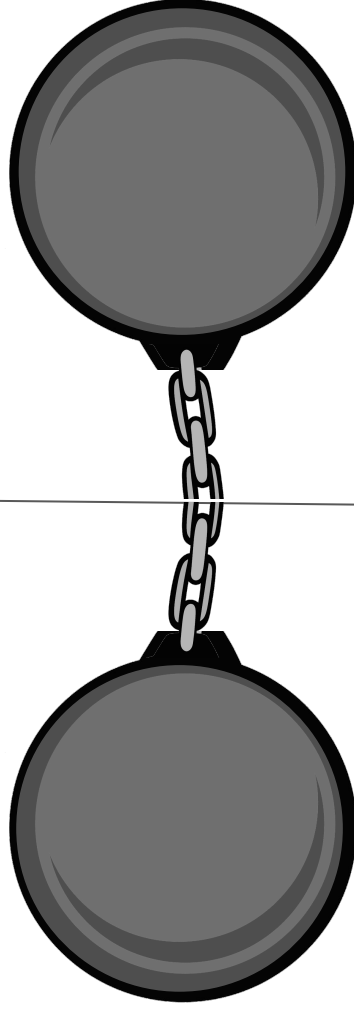
1. **Put a blank sheet of paper behind this one** -- you'll be folding both sheets at once in the next few steps.
2. **Fold** the two sheets in half on line A (with the wrecking ball on the outside).

B

3. **Fold** the rest of the lines (line B, C, etc.)
4. **Tie a string or ribbon** around the last fold as shown in the illustration. Then **tape the wrecking ball on the sides** so it stays folded. You're done!

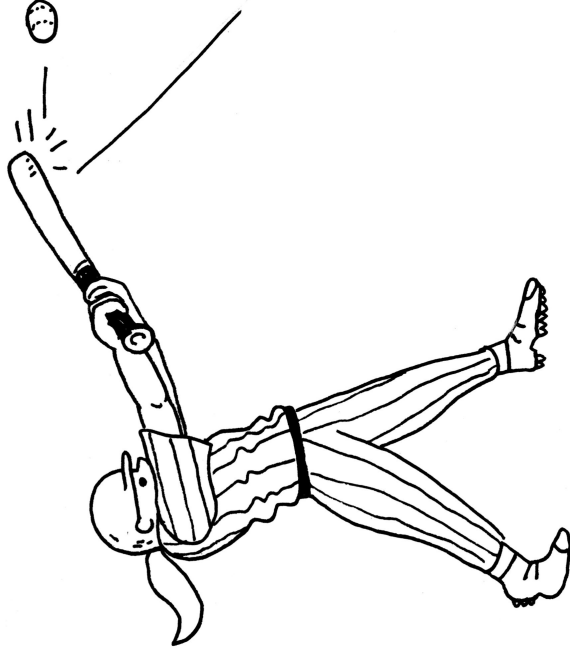


C



Name: _____

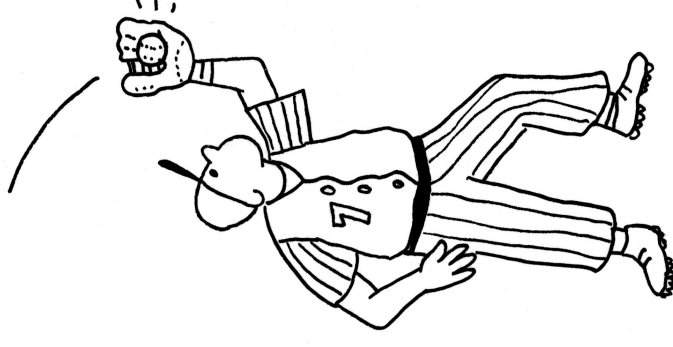
Circle the correct words below each drawing.



The player hits the ball.

The bat pushes / pulls the ball.
(circle one)

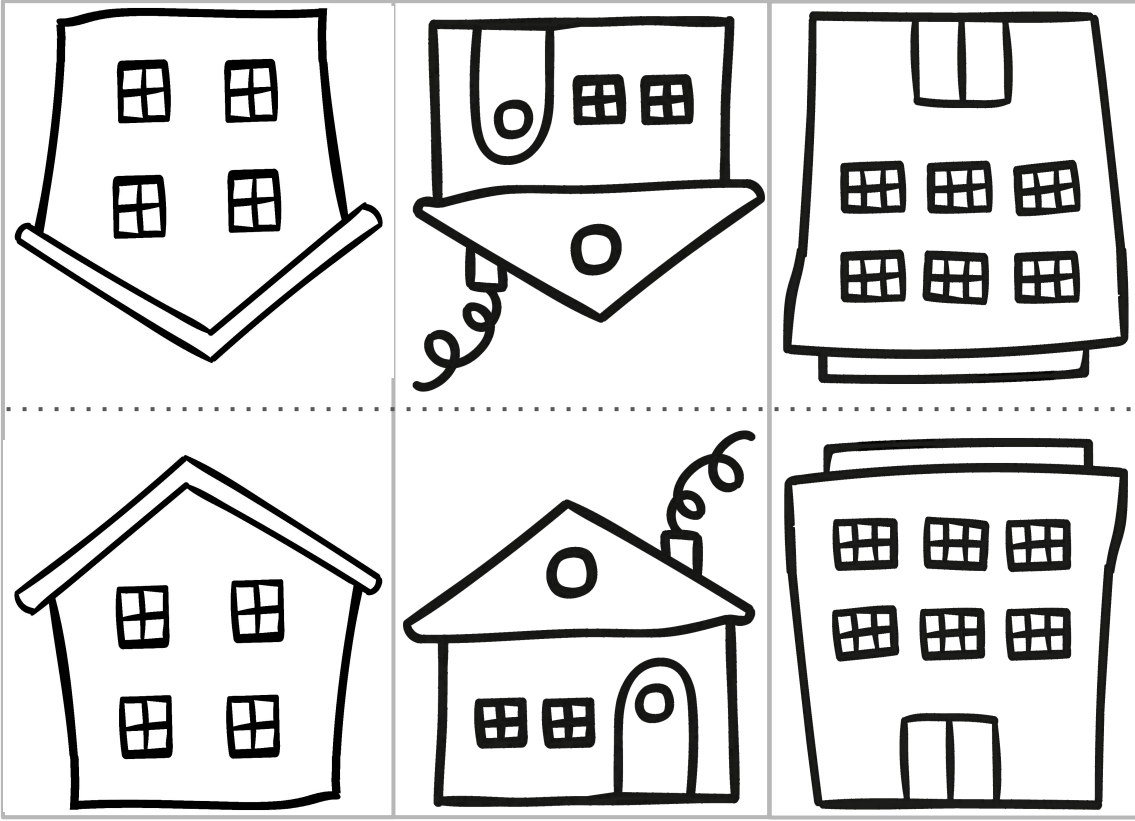
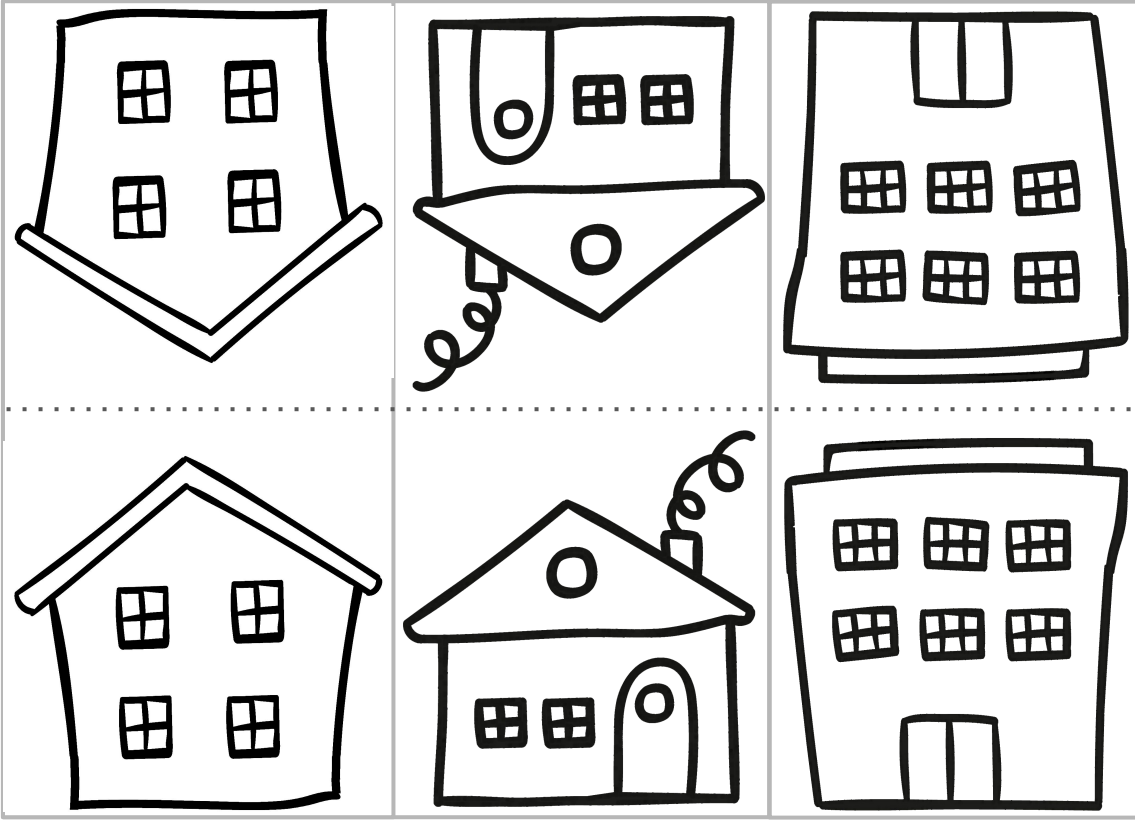
The ball changes direction /
stops moving.
(circle one)



The player catches the ball.

The ball pushes / pulls the glove.
(circle one)

The ball changes direction /
stops moving.
(circle one)



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How can we protect a mountain
town from falling rocks?

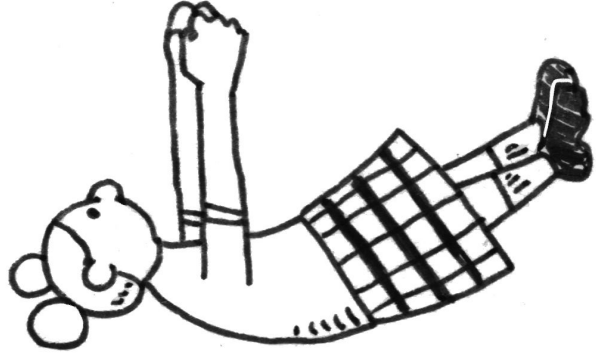
Name: _____

mystery science

How can we protect a mountain town
from falling rocks?

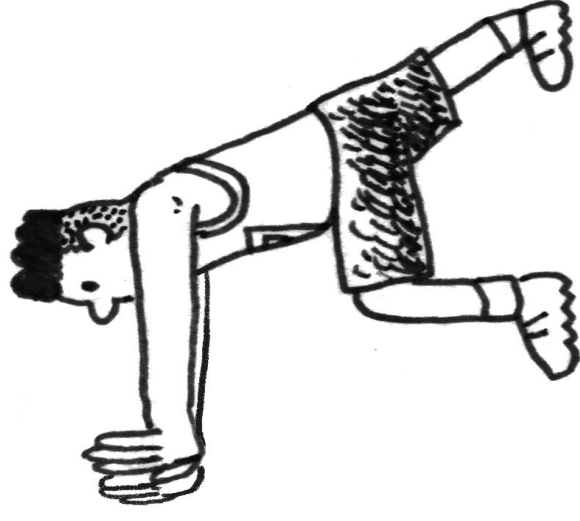
Something I pull is....

Draw your ideas below.



Something I push is....

Draw your ideas below.



Name: - - - - -

If you invented a machine to do chores, what would it be? Draw your ideas below.

My machine would help me...

- - - - -

- - - - -
