

God Made Weather



What is the weather like outside right now? God created all different kinds of weather. What kinds of weather can you think of? In most parts of the world, the weather is different during different times of the year.

We call these different times of the year seasons. Do you know what the four seasons are called? They are spring, summer, fall (or autumn), and winter.

In the spring, the weather is often cool and rainy at the beginning but becomes warmer later on. Weather is usually warm and sunny in the summer. In the fall, the weather starts to cool down and leaves usually fall off of trees. Winter is when the weather is the coldest. Many places get snow in the winter.

When the world was first created, God said that everything was very good. But Adam and Eve sinned and disobeyed God. As part of their punishment God cursed the earth. This resulted in different weather than before. Later there was a flood over the whole world. This made even more changes to the weather. So the weather we have today is different from the weather at creation.

Sometimes weather events like storms can be very dangerous. But God is in charge. So you do not need to be afraid of the weather. The Bible tells us that God controls the weather. Jesus spoke to the storm, and the wind and the rain stopped (Matthew 8:23–27). We can be thankful that God is in control.

- ? What do you like to do on a sunny day?
- ? What kinds of things can you do on a rainy day?
- ? What are your favorite things to do on a snowy day?
- ? What are the four seasons?



Scripture Trace

What sort of man is this,
that even winds and sea
obey him? — Matthew 8:27



Favorite Season

Fill in the missing vowels of the names of the four seasons. Then draw a line to match each picture with the right season. Circle your favorite season.

s _ mm _ r

a _ t _ mn

spr _ ng

w _ nt _ r



The Atmosphere

Earth is a very special planet. It is the only planet that has people and animals living on it. Earth is surrounded by air. Another name

for air is the atmosphere. The earth's

atmosphere is made up of mostly nitrogen and

oxygen. Animals and people need oxygen to breathe. No other planet has the right amount of oxygen in its atmosphere.

Air protects us from the very hot and very cold temperatures in space. Planets that do not have an



Scripture Trace

When it is evening, you say,
"It will be fair weather, for
the sky is red." Matthew 16:2

atmosphere are very hot when the sun shines on them. They are very cold when the sun does not shine on them. Earth is not too hot or too cold.

The atmosphere is where weather happens. The air moves around. When it is windy, the air is moving quickly. When air moves, it moves rain and snow from one place to another.

The atmosphere also protects us from small meteors and other things in space that might crash into our planet. These space rocks usually burn up in the atmosphere before hitting the earth. We can see how important our atmosphere is by looking at the moon. The moon does not have an atmosphere. It is very hot in the sun and cold in the dark. It is covered with pits called craters where rocks have crashed into it. It does not have any life.



Air Has Oxygen

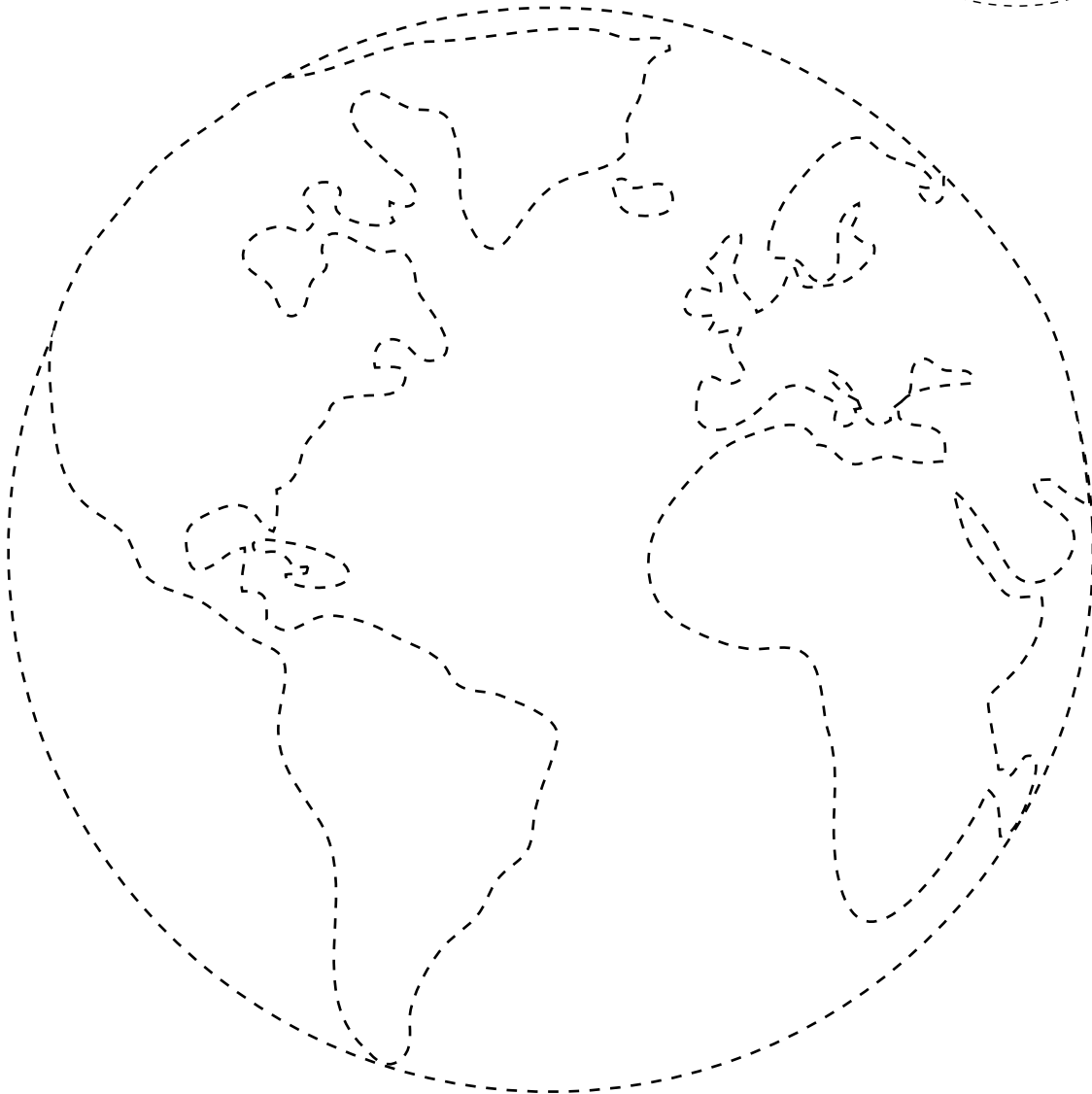
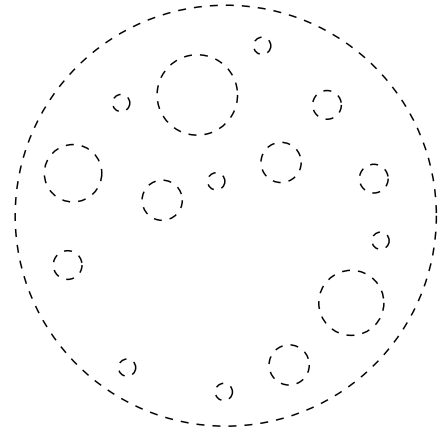
Place a lump of modeling clay onto a table. Push a small candle into the clay to hold it upright. Light the candle and watch it burn for a few seconds. The candle can burn because there is oxygen in the air. Cover the candle with a glass jar. What happened to the flame? It goes out after a few seconds. The flame uses up the oxygen in the air. The jar stops more air from getting to the candle. How long does it take for the flame to go out if you use a bigger jar?

- ? **What is the atmosphere?**
- ? **What are the two main ingredients in air?**
- ? **What are some good things that our atmosphere does for us?**
- ? **Why does the moon have so many more craters than the earth?**



Atmosphere Makes a Difference

Trace the land on the earth and color the land green and the water blue.
Trace the craters on the moon, then draw more craters.



The Weight of Air

How much does air weigh? Many people think that air does not weigh anything. Air is very light. But air actually does weigh a small amount. Air is made up mostly of oxygen and nitrogen. And these things have weight.

Gravity pulls down on everything on Earth. It even pulls down on the air. Air is pressing down on everything.

This is called air pressure.
Air pressure is important because it affects the weather.



Air Has Weight

You can see that air has weight by doing the following experiment.

1. Tape an empty balloon to each end of a yardstick.
2. Tie a string to the center of the yardstick. Tape the other end of the string to the edge of a table. The stick should hang down in front of the table. Adjust the string on the stick until you get the stick to balance. Then tape the string in place on the stick.
3. Remove one of the balloons. Fill it with air and tie it shut. Tape it back in the same place on the stick.
4. Watch what happens to the yardstick.

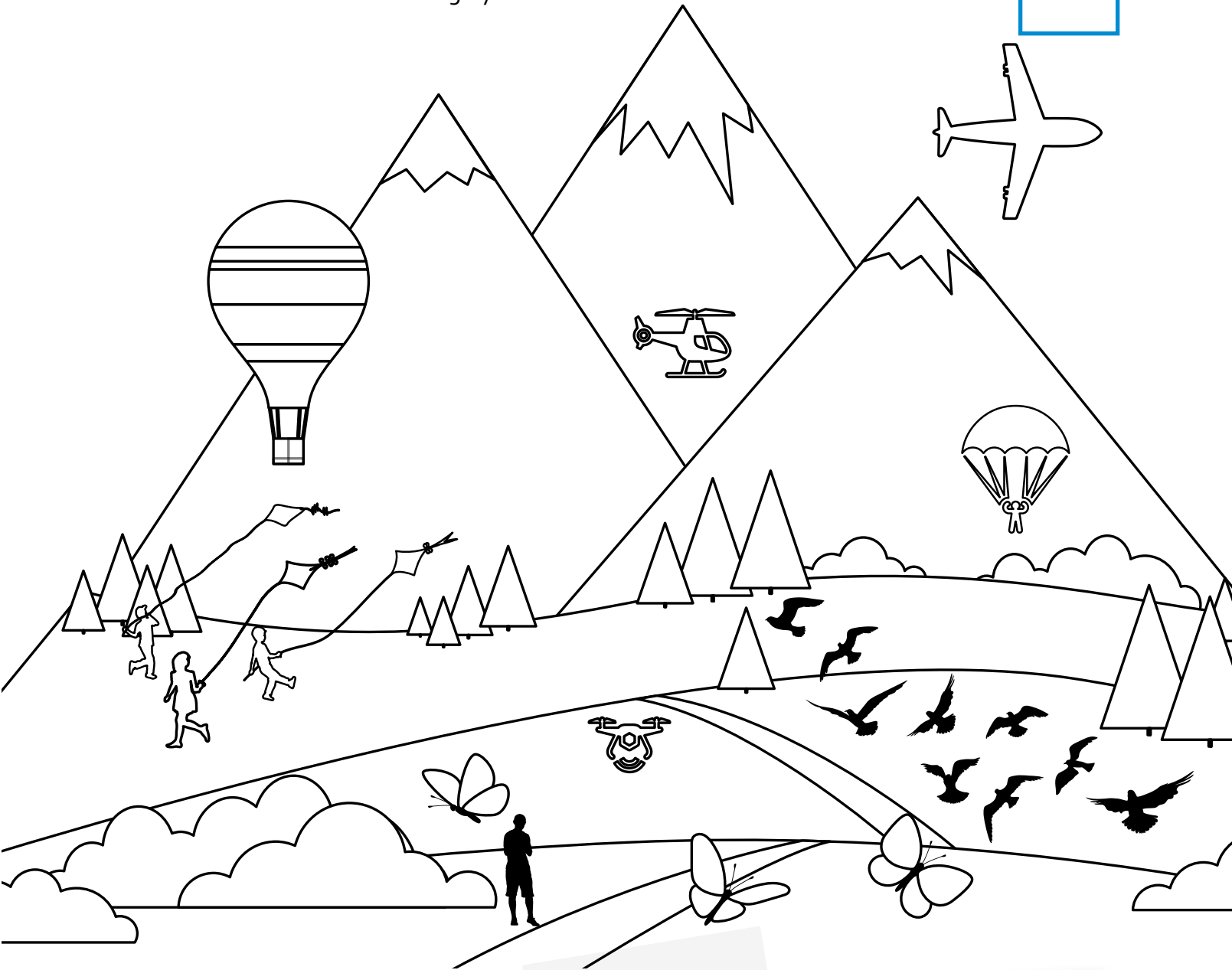
The side of the yardstick with the filled balloon will tip toward the ground. This is because the balloon with air weighs more than the balloon without any air. Air has weight.



Air Helps Things Fly

Many things are able to fly because of air pressure.
Count the number of things in the picture that can fly.
Color the things you found.

Write the
number here:



- ? Does air have weight?
- ? What do we call air pressing down on things?
- ? Why is air pressure important?

Lesson 4

The Study of Weather

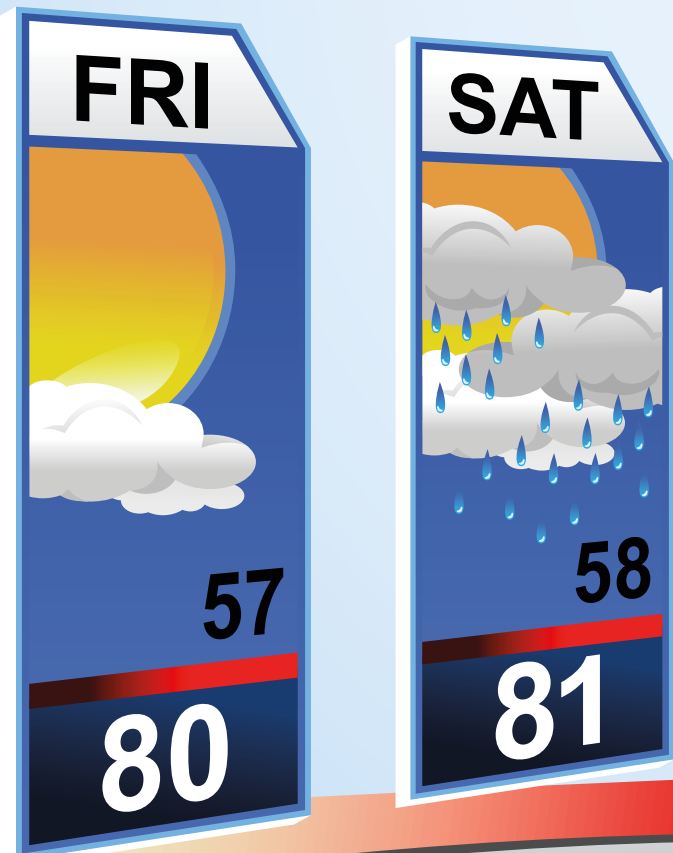
Weather is something that affects everyone. People want to know if the weather will be nice enough for a picnic. Or they might want to know if it is going to snow tomorrow. Some people are so interested in weather that they study it as their job. Someone who studies the weather is called a

meteorologist.

Meteorologists look at what the weather is like today. They look at

how the air is moving. Then they predict what the weather will be like tomorrow.

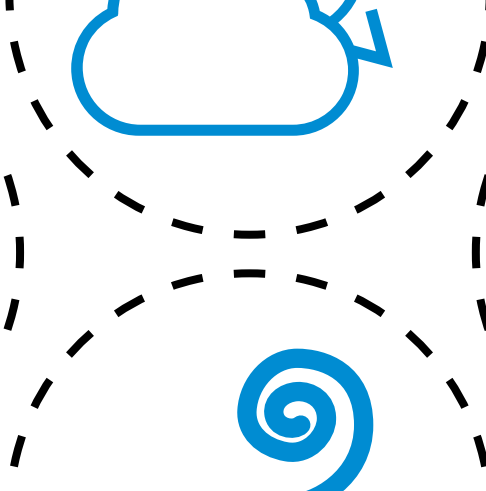
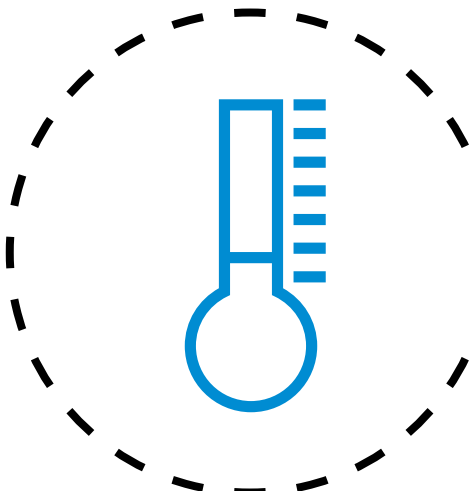
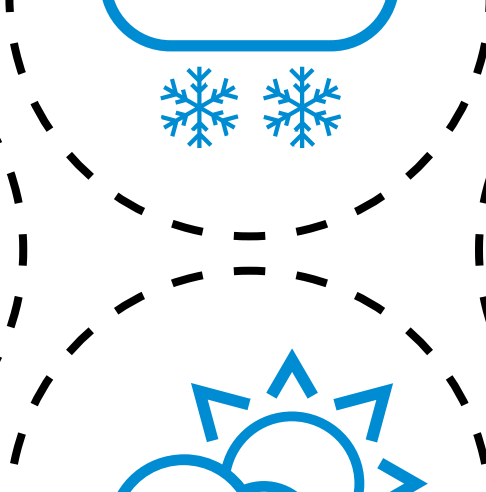
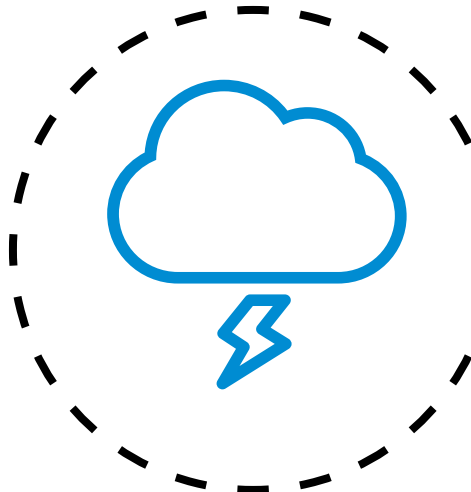
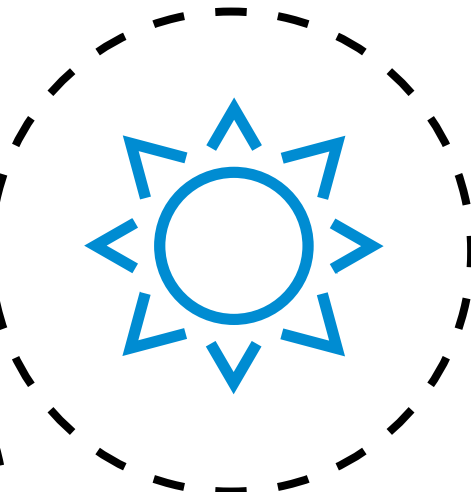
predict





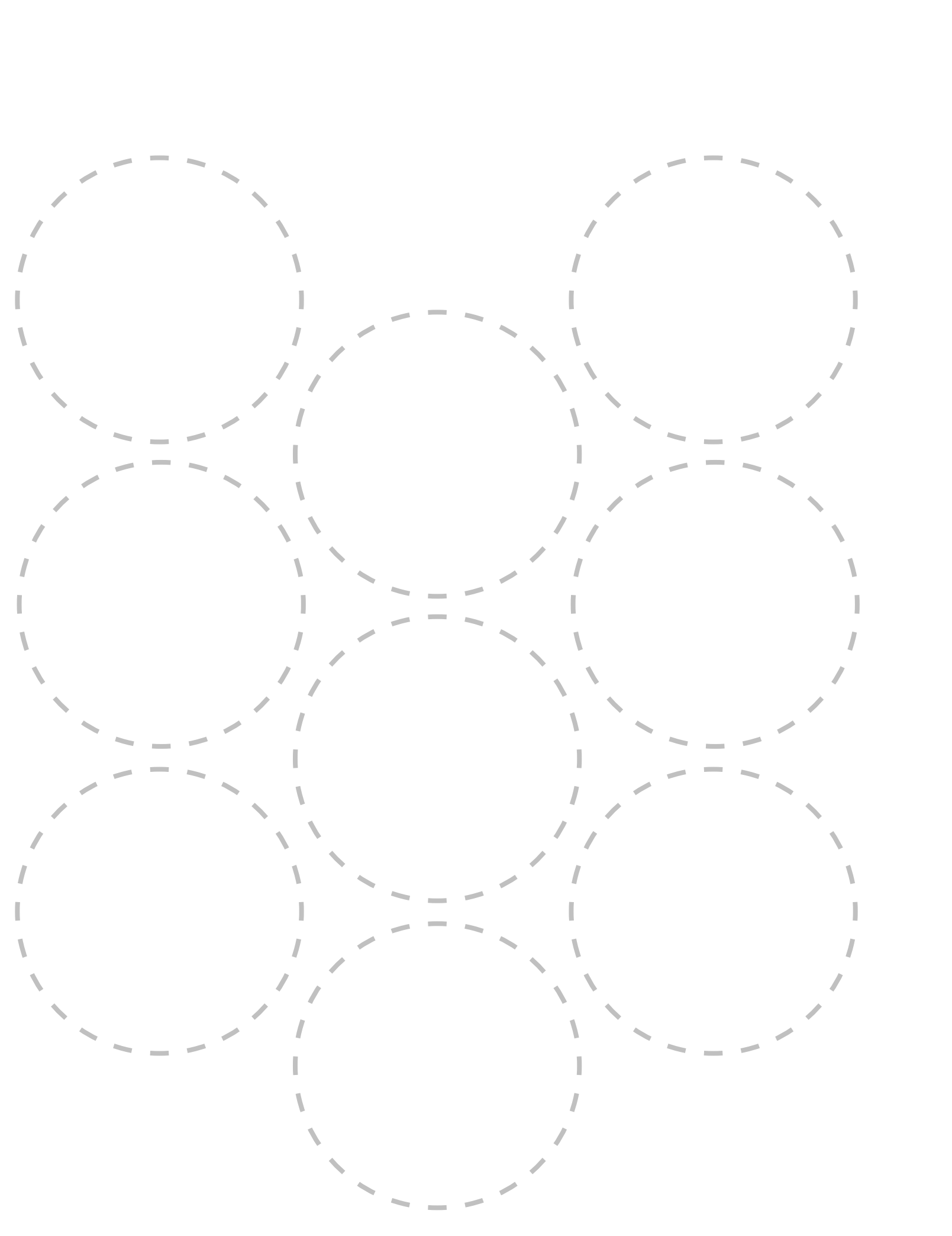
Weather Wreath

Make a weather wreath. Cut out the center of a paper plate. Use the outer ring of the plate to make your wreath.



Cut out the weather symbols on this page. Color each of the symbols and glue them onto the wreath.

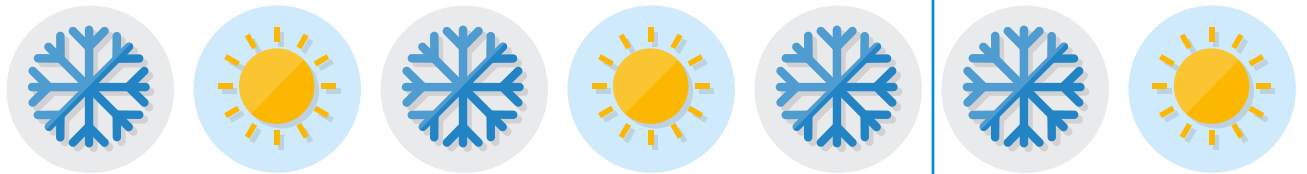
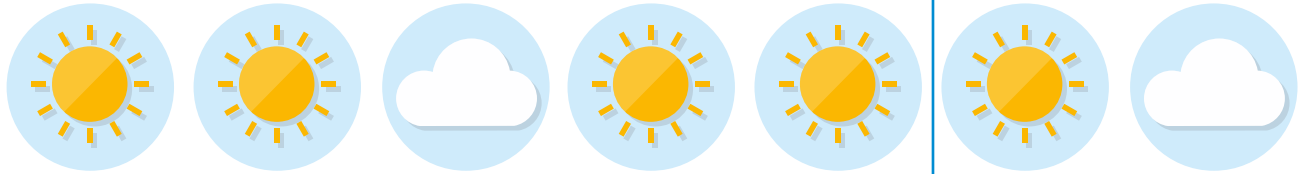
Hang the wreath where you can see it. This can remind you of the different kinds of weather you might have.





Predict the Weather

Circle the weather picture that should come next in the pattern.





Unit Vocabulary Review

Draw a string from the definition balloon to the correct vocabulary word gift.

