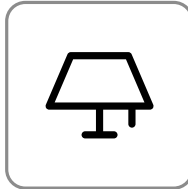
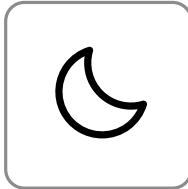
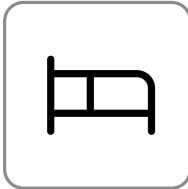
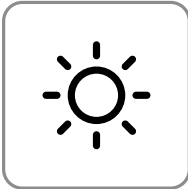


THINK LIKE A SCIENTIST • EARTH, SKY & SPACE

Sort them. Draw a line to the right box.

Some of these you do while it is light. Some while it is dark.

F3 sort



WHILE IT IS LIGHT

WHILE IT IS DARK

☐ Everything has a box.

FOR GROWN-UPS

Scientists call a pattern that repeats every day a daily cycle.
Ask if anything could go in both. Some things honestly could.
Find one more of these in this room.

THINK LIKE A SCIENTIST • EARTH, SKY & SPACE

Circle everything the wind can move.

Wind is air that is moving.

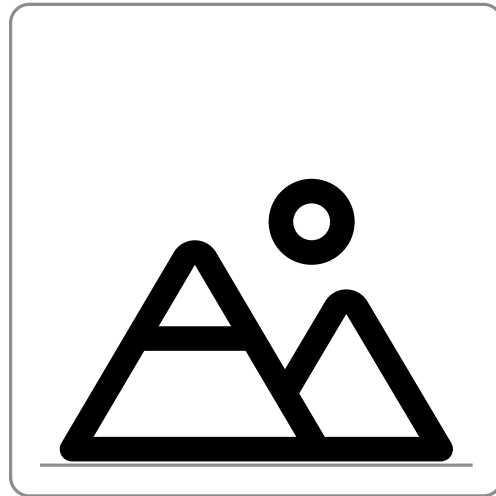
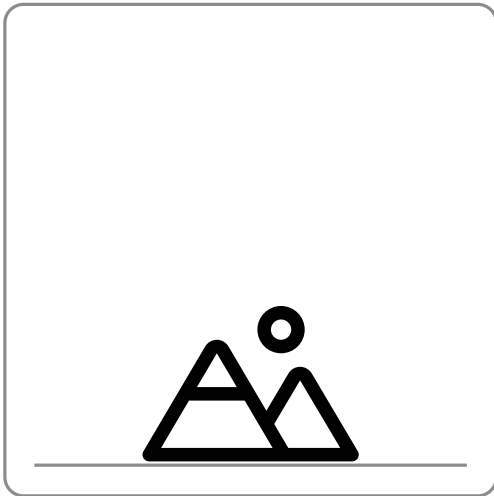
F4 circle the group☐ I circled them all.**FOR GROWN-UPS**

Wind is air you cannot see. You can only see what it moves.
Ask about one they did not circle. Why it is out is the same thinking.
Find one outside today.

THINK LIKE A SCIENTIST • EARTH, SKY & SPACE

Circle the taller mountain.

They both start on the same line. Look at the tops.

F6 compare☐ I circled one.**FOR GROWN-UPS**

Ask how they could check. Measuring is the answer they are heading for.

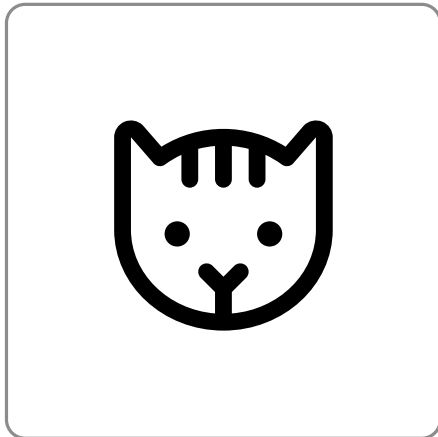
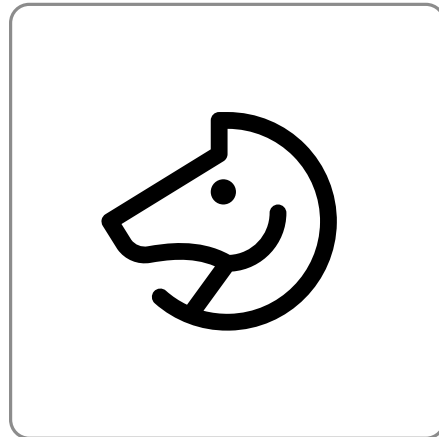
Ask: "How did you know?" Then wait. The wait is the lesson.

Look for this on your next walk.

THINK LIKE A SCIENTIST • EARTH, SKY & SPACE

Circle the animal that is taller in real life.

Both pictures are the same size. Think about the real animals.

F6 compare**a cat****a horse**☐ I circled one.**FOR GROWN-UPS**

A horse is about five times as tall as a cat. A picture cannot tell you that – you have to know it, or go and look. Ask what would change their mind. That is what a scientist asks. Look for this on your next walk.

THINK LIKE A SCIENTIST • EARTH, SKY & SPACE

Join dots 1, 2 and 3. That is Orion's belt.

Then join the four big stars around the belt.

D connect the dots

5



4



1



2



3



6



7



I joined every dot in order.

FOR GROWN-UPS

Orion is easiest to find in winter. The belt is three stars in a line.

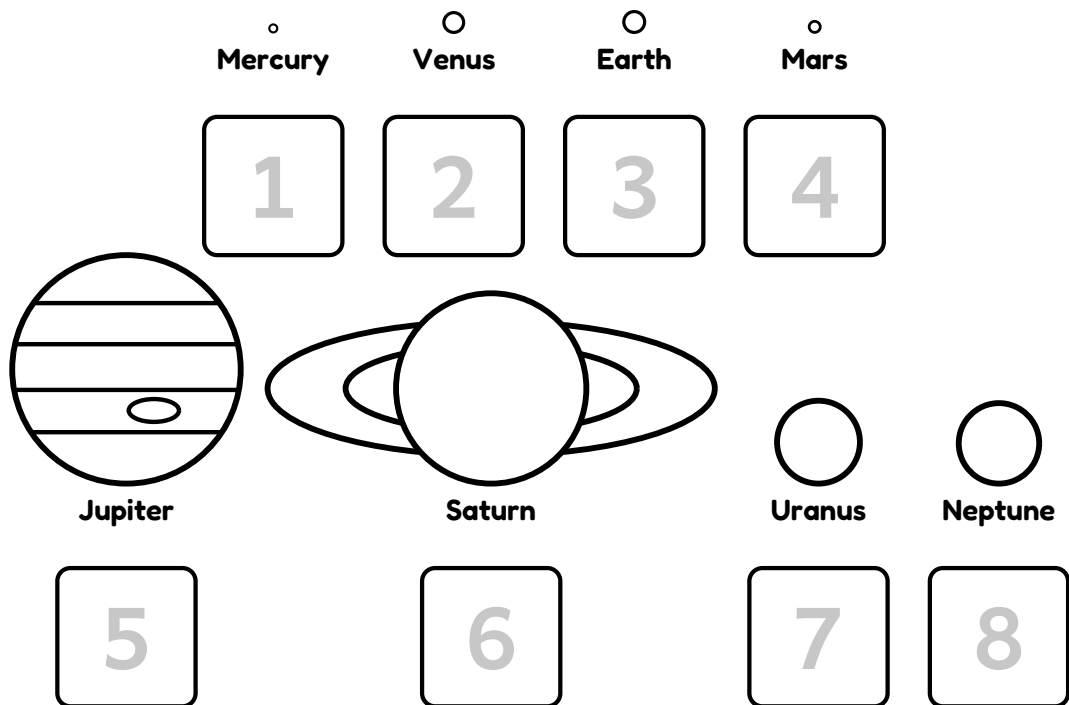
Let them find the next number before they draw. The looking is the work.

Look for it in the sky tonight.

THINK LIKE A SCIENTIST • EARTH, SKY & SPACE

Write 1 to 8 in the boxes, starting at the Sun.

The numbers are already there in gray. Trace over them.

S4 how big, really
☐ Every box has a number.
FOR GROWN-UPS

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune. Say them in order together.

Hold your hands apart to show the difference. Size is a body thing first.

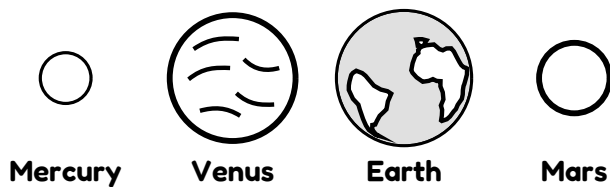
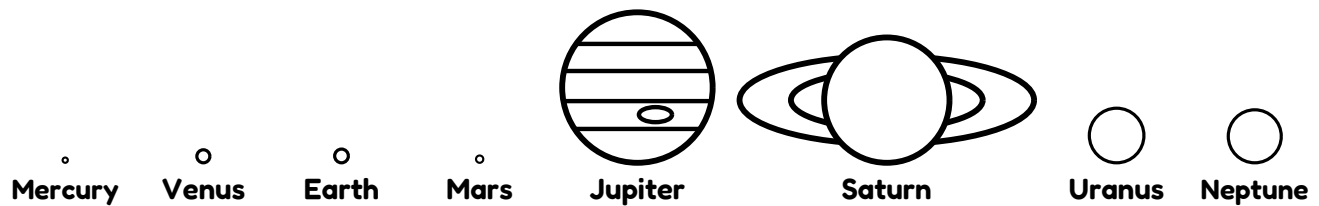
Look for it in the sky tonight.

THINK LIKE A SCIENTIST • EARTH, SKY & SPACE

Circle the biggest planet.

These eight are drawn at their real sizes next to each other.

S4 how big, really



the four rocky planets, drawn bigger so you can see them

☐ I circled one.

FOR GROWN-UPS

Jupiter is the biggest. Mercury is the smallest, and it really is that small next to Jupiter.

Ask: "Is it a little bigger or a lot bigger?" That is the harder question.

Look for it in the sky tonight.