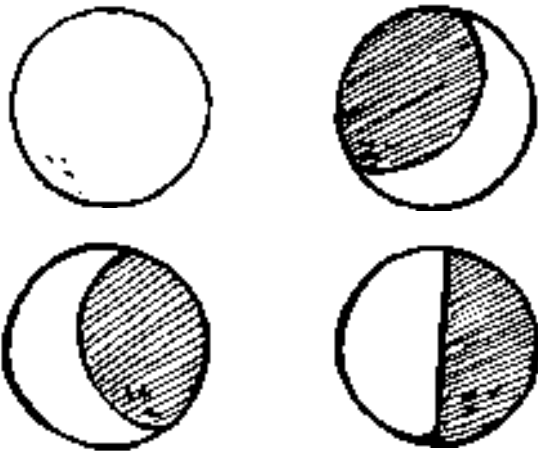


Drawing the Moon

WHAT YOU NEED



clear evening sky



crayons

Find Out

Do this activity to see how the moon seems to change.

Process Skills

Predicting

Observing

Communicating

Inferring

Time

- 15 minutes one night a week for four weeks

The moon is not visible every evening. From new moon through full moon, it is visible in the afternoon and then evening. From full moon, it rises later each evening, with the last quarter moon rising around midnight. The waning crescent (just before new moon) rises shortly before sunrise. Check an almanac or newspaper for the exact times of moonrise and moonset.

WHAT TO DO

1. **Predict** how the moon will look each week.
2. **Look** at the moon.
3. **Draw** the moon.



4. Do this once a week for four weeks.
5. **Look** at your drawings. **Tell** how they change.
6. **Share** your pictures with your class.



Draw what you saw.

<p>Week 1</p>	<p>Week 2</p>
<p>Week 3</p>	<p>Week 4</p>

Drawings will vary, depending upon the time when each drawing was made.

Conclusions

1. What changes did you **observe**?

Students may say that the moon changed shape or it looked bigger and smaller.

2. Did you see any patterns in the changes?

Typical answers might be: The moon looked a little bigger every night.

The moon looked a little smaller every night.

New Questions

1. What would your pictures look like if you did the activity for one more month?

Answers will vary. Some students may know that the moon will repeat the

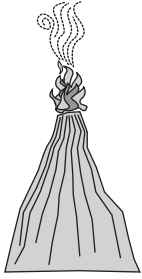
same pattern the next month.

2. Ask a new question about the moon.

Accept all new questions.



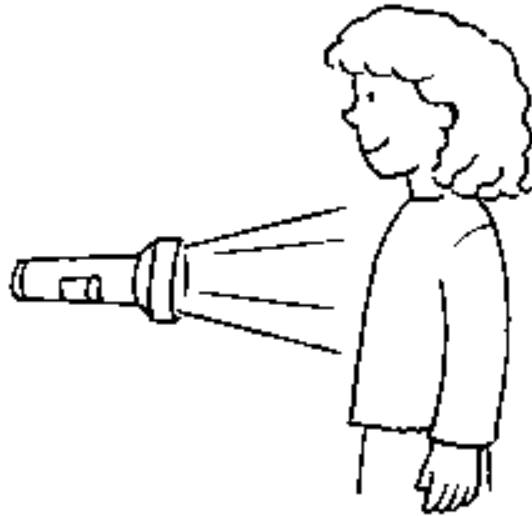
Name _____



ACTIVITY

Our Moving Earth

Look at the drawing. **Circle** Day or Night.



Day

Night

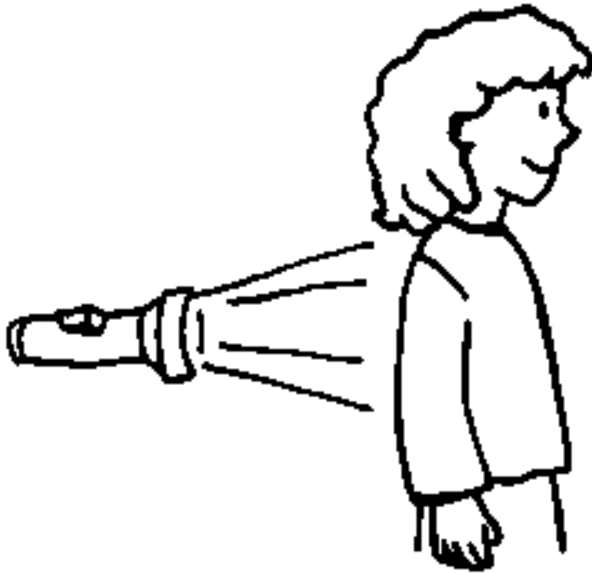
Students should circle Day.

Activity Journal

Lesson 1 • Day and Night

Name _____

Look at the drawing. **Circle** Day or Night.

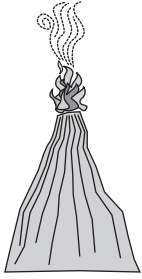


Day

Night

Students should circle Night.

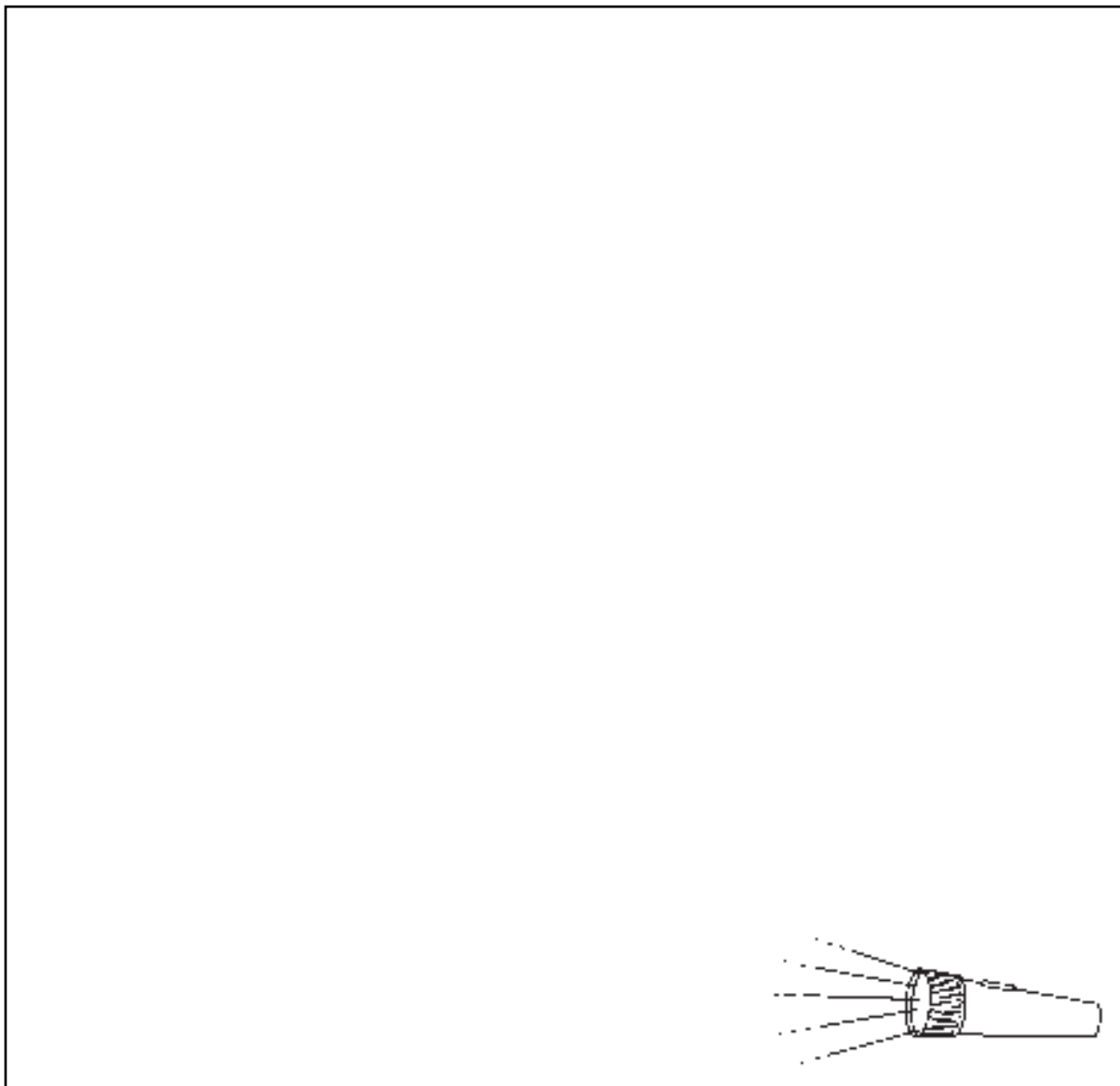
Name _____



ACTIVITY

Stars in the Daytime

Draw the light in the dark.



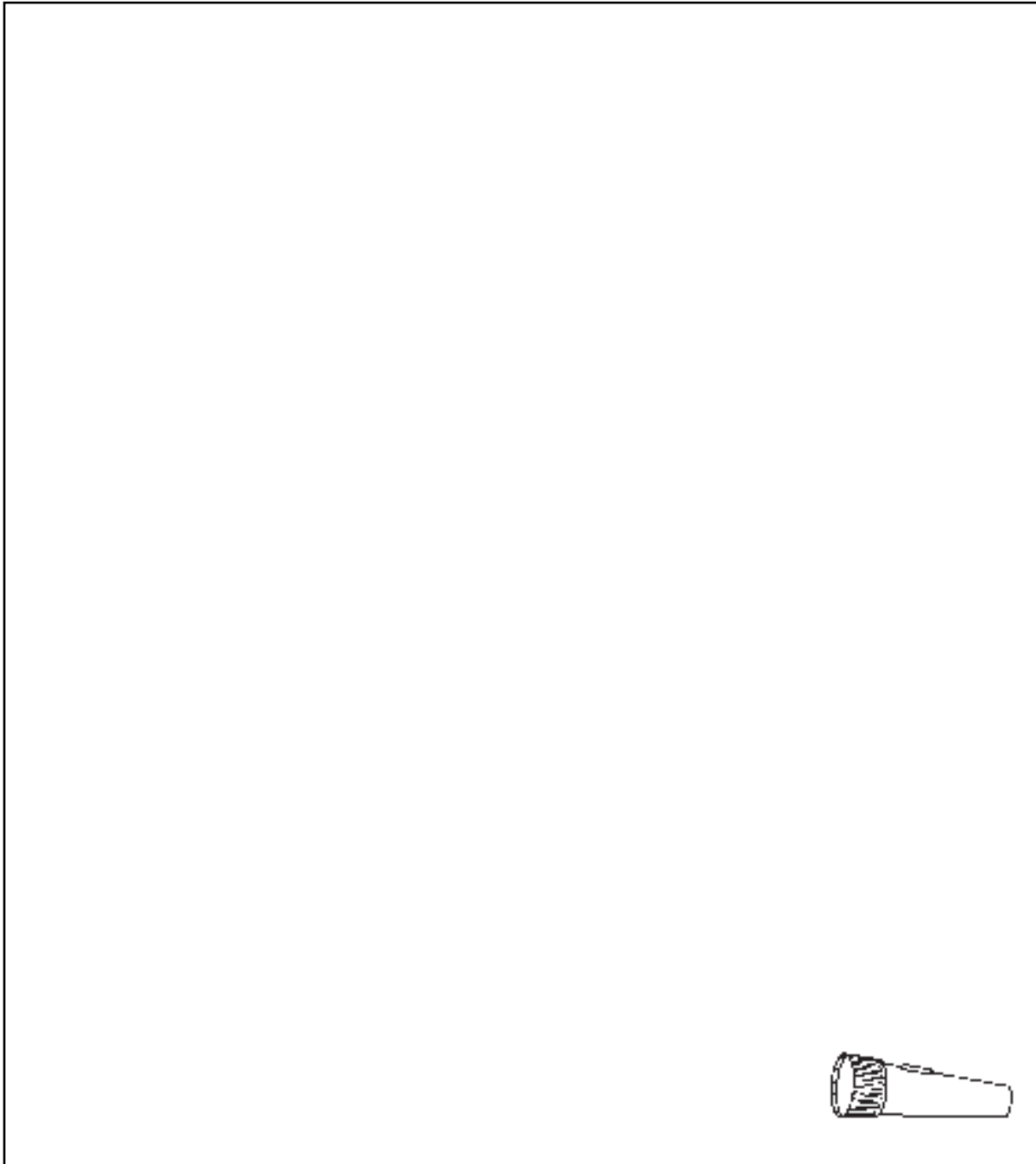
Drawings should show that light shining from the flashlight can be seen in the dark.

Activity Journal

Lesson 2 • Sun, Moon, and Stars

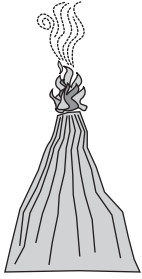
Name _____

Draw the light outside.



Drawings should show that the light from the flashlight cannot be seen in daylight.

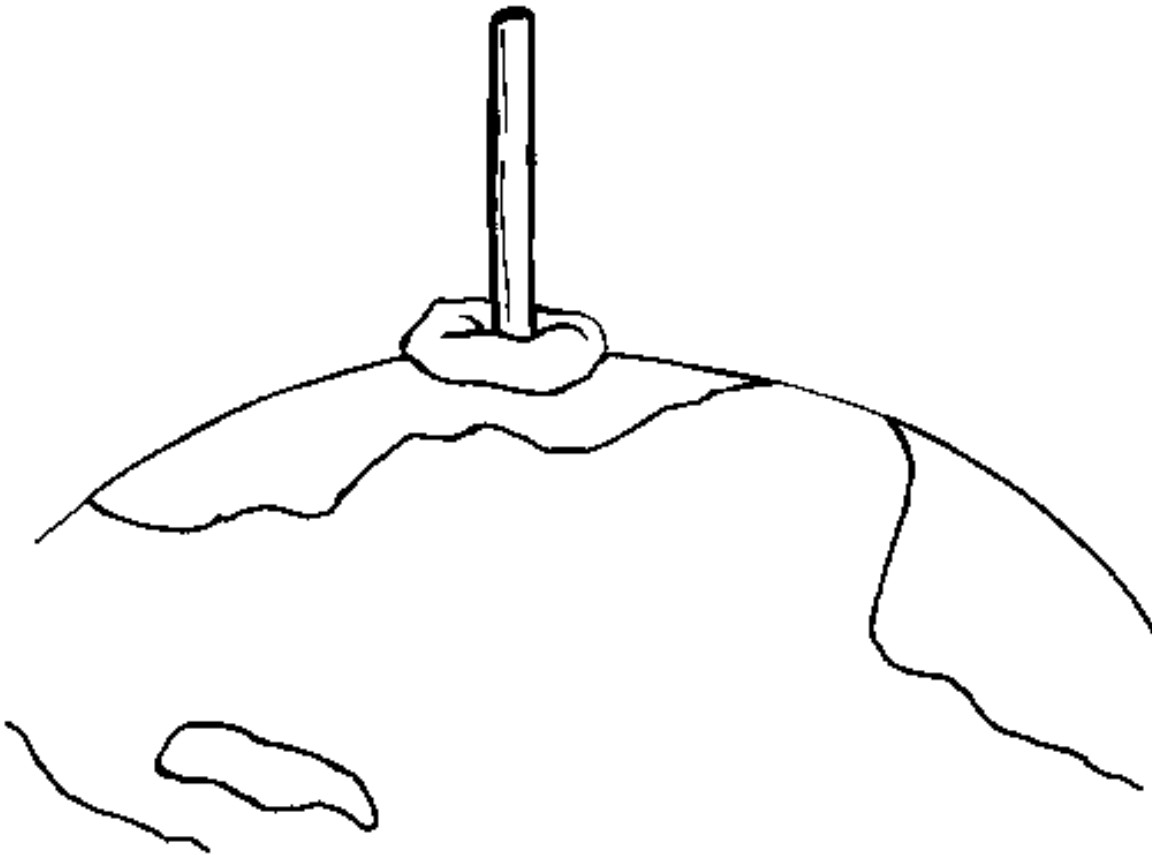
Name _____



ACTIVITY

Why Shadows Change

Draw the shadow.



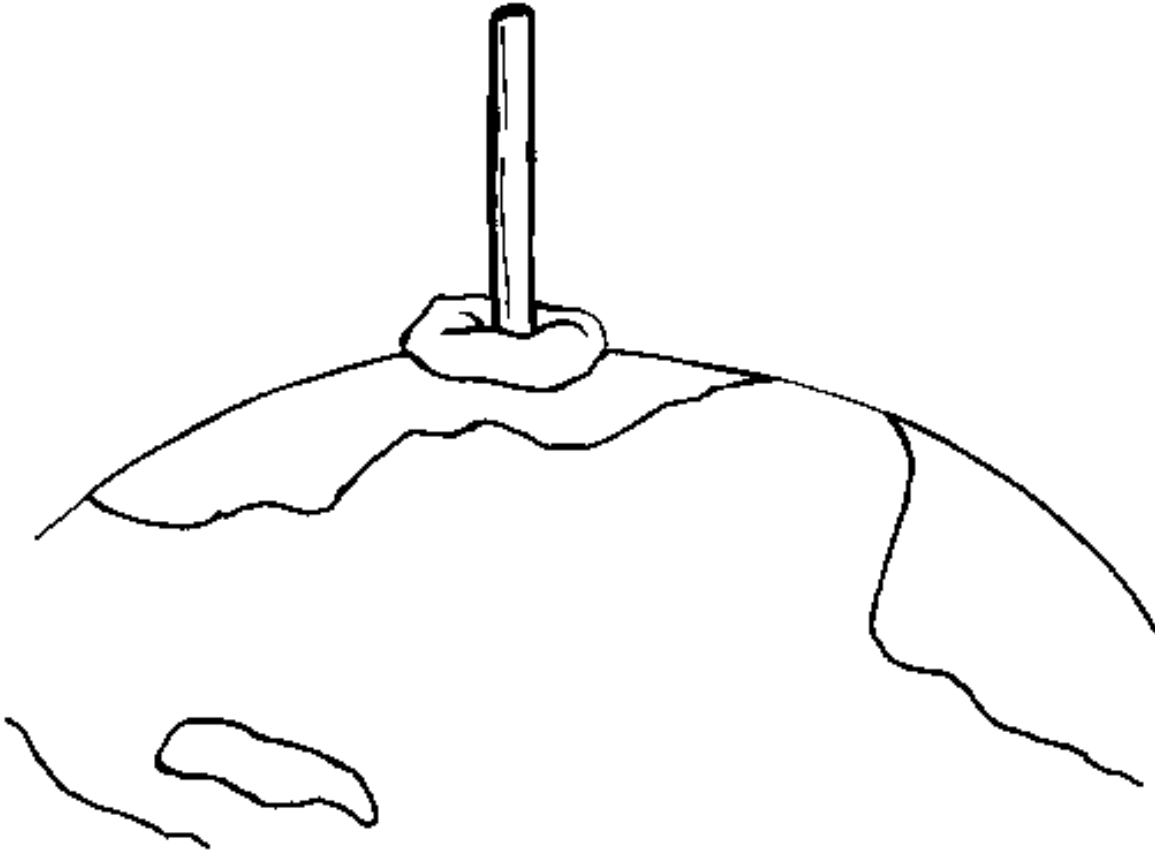
Drawings will vary depending on the angle of the flashlight.

Activity Journal

Lesson 3 • Earth in Motion

Name _____

Spin the globe. **Draw** the shadow.



Drawings will vary, but should reflect a change in direction of the shadow.