Name: _____ Date: _____

Using a Telescope on a Clear Night

Circle group

A telescope is a tube. It has glass in it. It helps you see far things up close.

Pick a clear night. Clouds can hide the sky. Find a dark spot.

Point the telescope at the Moon. Look in the small end. The Moon looks big! You may see round dents. They are called craters.

Turn it slowly.

Questions

1. What does a telescope help you do?

_____

_____

2. What kind of night should you pick?

_____

_____

3. What are the round dents called?

_____

_____

4. Where should you find a spot to look?

_____

_____

5. Why is a cloudy night bad?

_____

_____

Words to know

telescope: a tube that makes far things look close
tube: a long, round, hollow shape
crater: a round dent in the ground or on the Moon
clear: with no clouds in the way

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Using a Telescope on a Clear Night

Triangle group

A telescope is a tube with glass inside. It helps you to see things that are far away as if they were up close.

First, pick a clear night. Clouds can hide the sky. Find a dark spot, away from bright lights.

Next, point the telescope at the Moon. Look in the small end. The Moon looks big! You may see round dents called craters.

Last, turn it slowly. Small turns move the view a lot. Take your time, and enjoy the sky. Ask a grown-up to help you set it up, and be sure to bring a warm coat.

Questions

1. What does a telescope help you do?

_____

_____

2. What kind of night should you pick?

_____

_____

3. What are the round dents on the Moon called?

_____

_____

4. Where should you find a spot to look?

_____

_____

5. Why is a cloudy night bad for a telescope?

_____

_____

Words to know

telescope: a tube that makes far things look close
tube: a long, round, hollow shape
crater: a round dent in the ground or on the Moon

clear: with no clouds in the way

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Using a Telescope on a Clear Night

Square group

A telescope is a long tube with glass inside, and it helps you see faraway things as if they were close.

To begin, choose a clear night, because clouds can hide the sky. Then find a dark spot, well away from any bright lights.

Next, point the telescope at the Moon and look into the small end. The Moon appears much bigger, and you may notice round dents called craters.

Finally, turn the telescope slowly. Even tiny turns move the view a great deal, so take your time and enjoy the sky.

Questions

1. What does a telescope help you do?

_____

_____

2. Why should you choose a clear night?

_____

_____

3. What are the round dents on the Moon called?

_____

_____

4. What kind of spot should you find?

_____

_____

5. Why should you turn the telescope slowly?

_____

_____

Words to know

telescope: a tube that makes far things look close
tube: a long, round, hollow shape
crater: a round dent in the ground or on the Moon
clear: with no clouds in the way

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

For the teacher: Using a Telescope on a Clear Night

Each student sheet carries a shape, not a level. The same topic and facts, written three ways.

Circle: Using a Telescope on a Clear Night

Easier · 58 words · Flesch-Kincaid grade -0.7

1. See far things up close.
2. A clear night.
3. Craters.
4. A dark spot, away from lights.
5. Clouds can hide the sky.

Triangle: Using a Telescope on a Clear Night

This passage · 101 words · Flesch-Kincaid grade 0.4

1. See far things up close.
2. A clear night.
3. Craters.
4. A dark spot, away from bright lights.
5. Clouds can hide the sky.

Square: Using a Telescope on a Clear Night

Harder · 92 words · Flesch-Kincaid grade 4.3

1. See faraway things as if they were close.
2. Clouds can hide the sky.
3. Craters.
4. A dark spot, well away from bright lights.
5. Even tiny turns move the view a great deal.