

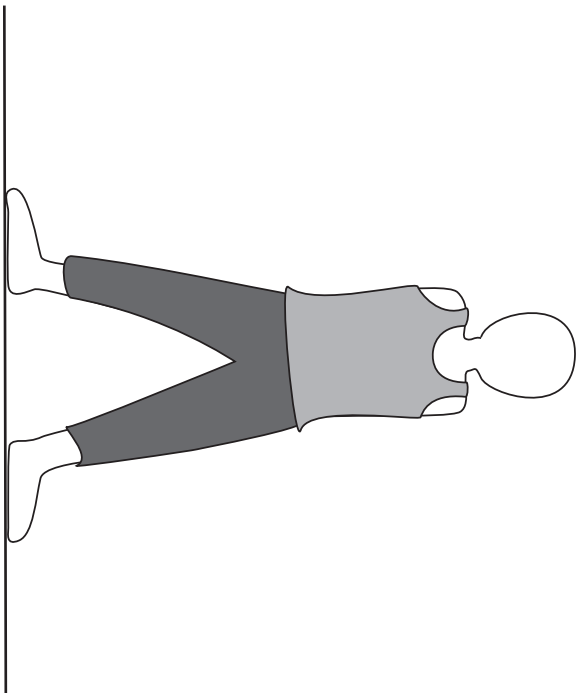
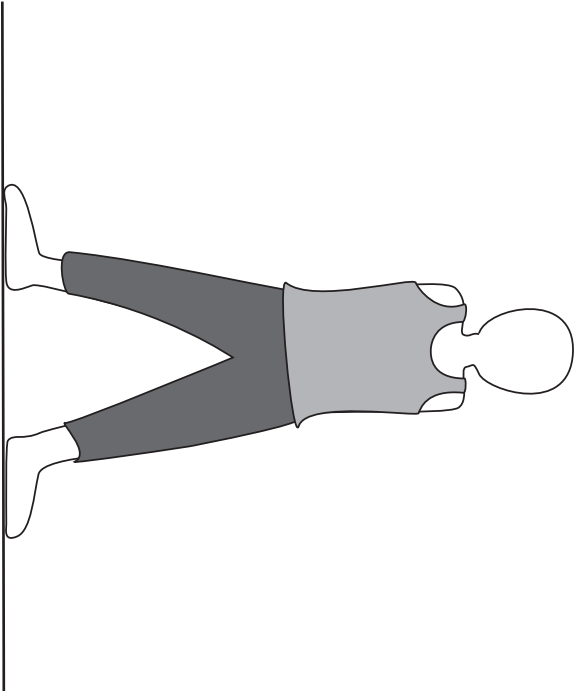
WHERE'S THE SUN?

WHERE'S THE SUN?

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Investigation 1 : The Sun
No. 1—Science Notebook

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Investigation 1 : The Sun
No. 1—Science Notebook

SUN AND SHADOWS

SUN AND SHADOWS

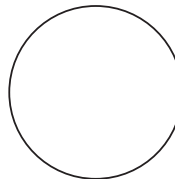
1. What two ways does the Sun's position in the sky change?
 1. What two ways does the Sun's position in the sky change?
 2. What are shadows, and what causes them?
 3. What causes shadows to change size and direction during a day?
 4. Describe the Sun's change of position in the sky during 1 day.
 5. Describe the Sun's change of position in the sky during 1 year.
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5. Describe the Sun's change of position in the sky during 1 year.

NIGHT-SKY LOG

Bring this sheet back to school on Friday morning.

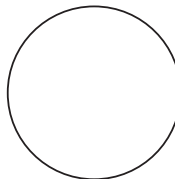
MONDAY Date _____ Time _____

Observations



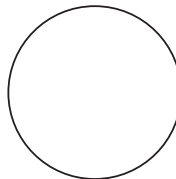
TUESDAY Date _____ Time _____

Observations



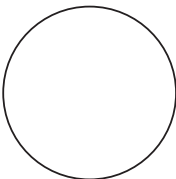
WEDNESDAY Date _____ Time _____

Observations



THURSDAY Date _____ Time _____

Observations



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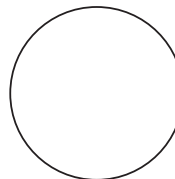
Investigation 2: The Moon
No. 3—Science Notebook

NIGHT-SKY LOG

Bring this sheet back to school on Friday morning.

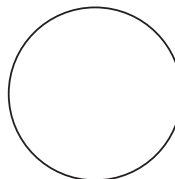
MONDAY Date _____ Time _____

Observations



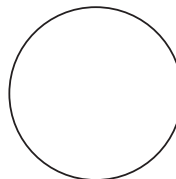
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Observations



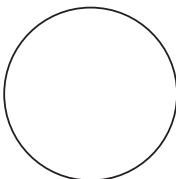
WEDNESDAY Date _____ Time _____

Observations



THURSDAY Date _____ Time _____

Observations



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Investigation 2: The Moon
No. 3—Science Notebook

THE NIGHT SKY REVIEW


1. What are some of the objects you can see in the night sky that you can't see during the day?
2. Which object is the brightest object in the night sky?
3. Which star is the closest to planet Earth?
4. Look at the picture of the crescent Moon on page 18 of the *Science Resources* book. What is the other bright object you can see in the night sky?

THE NIGHT SKY REVIEW

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PHASES OF THE MOON-1


The Moon orbits Earth during a 4-week lunar cycle. Place in each box the phase of the Moon we see from Earth during the cycle and name the phase.

	_____

waxing gibbous, third quarter, full Moon, waning crescent, waxing crescent, new Moon, first quarter, waning gibbous
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Investigation 2: The Moon
No. 5a—Science Notebook

PHASES OF THE MOON-1

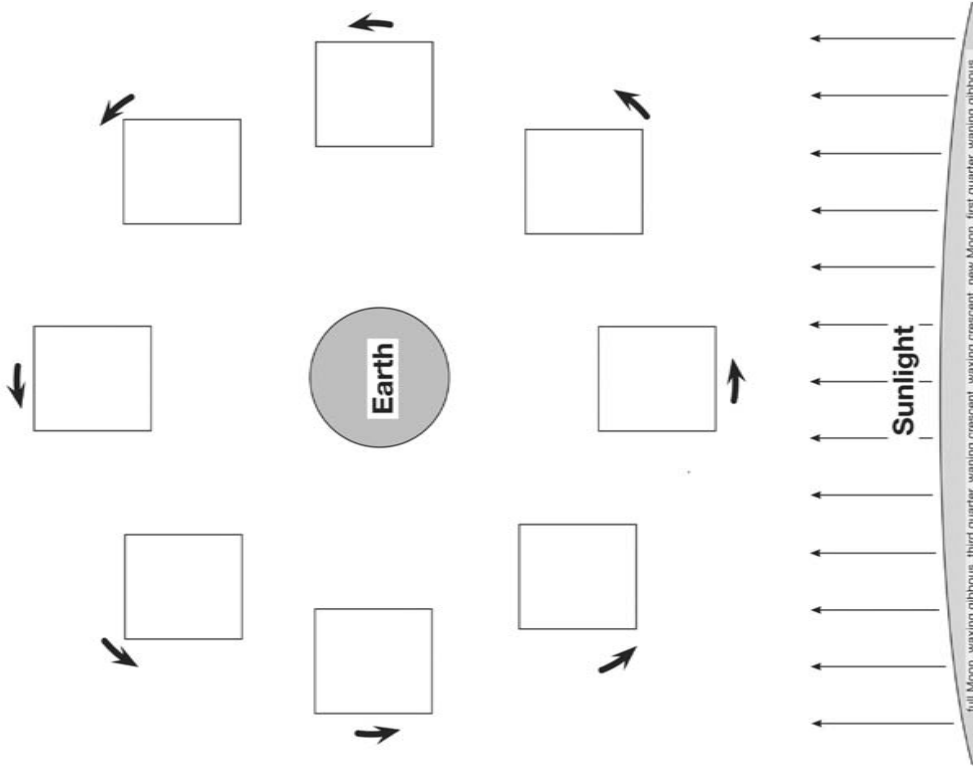
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	_____

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Investigation 2: The Moon
No. 5a—Science Notebook

PHASES OF THE MOON-2

The Moon orbits Earth during a 4-week lunar cycle. Place in each box the phase of the Moon we see from Earth during the cycle and name the phase. Note where the Sun is.

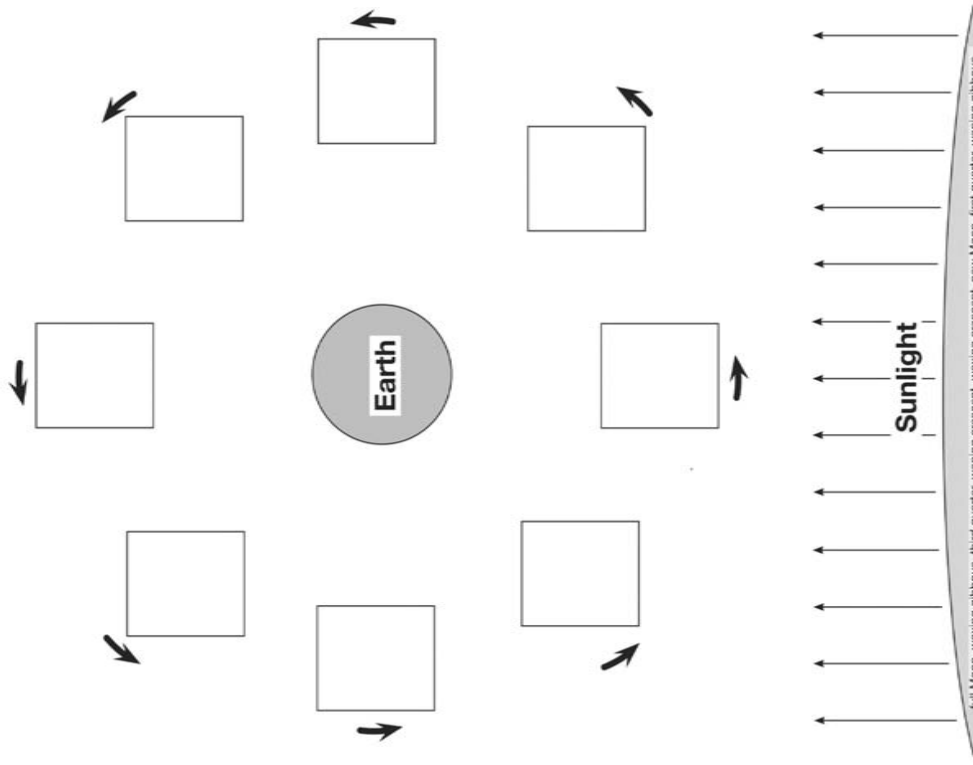


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Investigation 2: The Moon
No. 5b—Science Notebook

PHASES OF THE MOON-2

The Moon orbits Earth during a 4-week lunar cycle. Place in each box the phase of the Moon we see from Earth during the cycle and name the phase. Note where the Sun is.



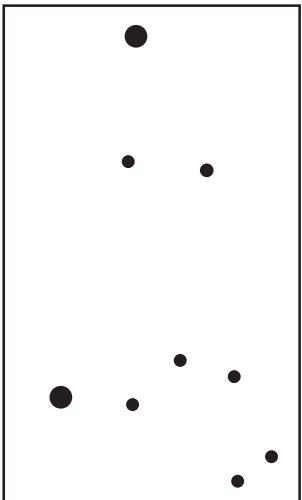
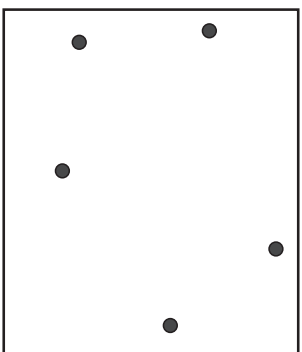
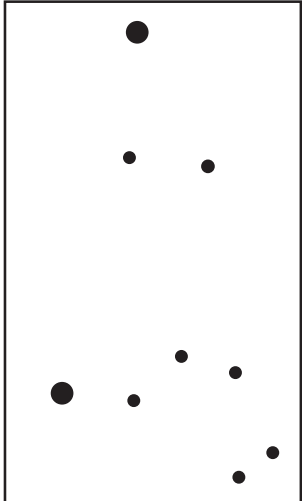
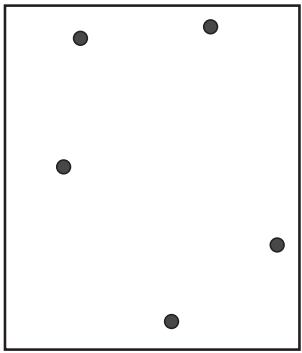
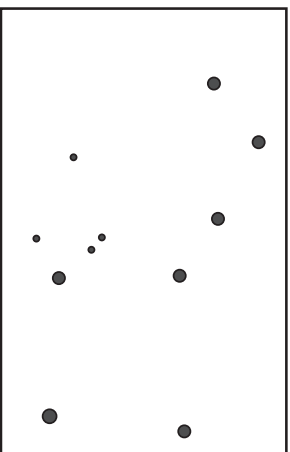
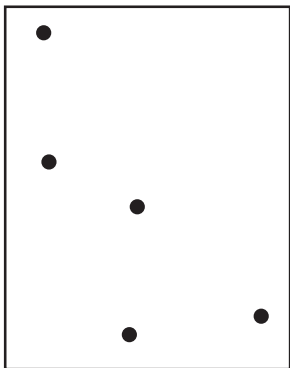
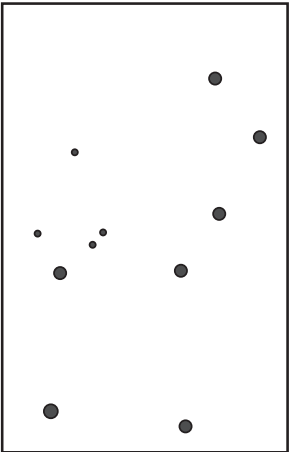
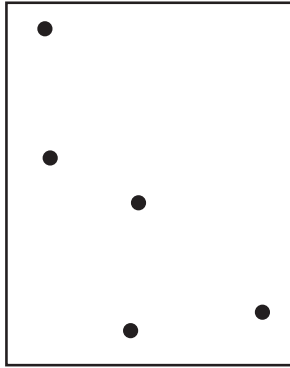
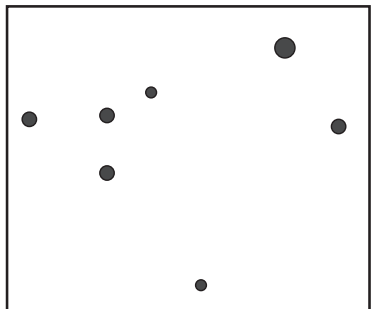
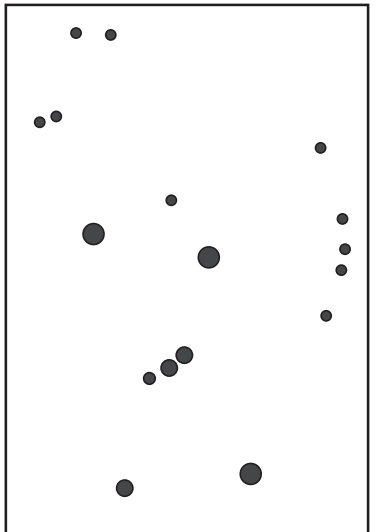
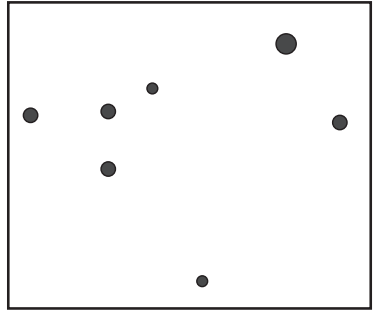
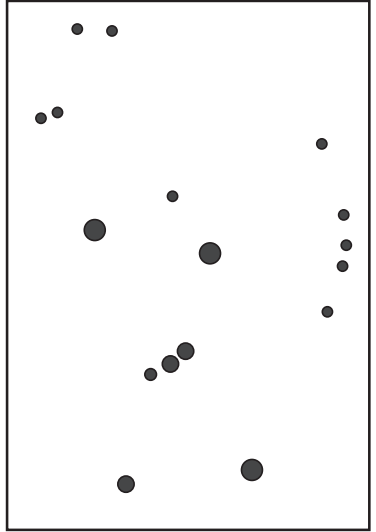
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Investigation 2: The Moon
No. 5b—Science Notebook

STAR PATTERNS



STAR PATTERNS



STARGAZING REVIEW

STARGAZING REVIEW

1. Why do stars move across the night sky?

2. What is a constellation?

3. Why are the constellations seen in the summer sky different than those seen in the winter sky?

4. Imagine you could see stars during the daytime. What constellation would you see at noon in the winter? Why do you think so?

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ALL ABOUT THE STARS

ALL ABOUT THE STARS

1. How many stars are there?
 2. What is the name of the star closest to Earth?
 3. What happens to stars at the end of their lives?
 4. What is a constellation?
 5. What is the Milky Way?
 6. What does a telescope do?
 7. Why are telescopes put on top of mountains or in space?
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