

Science Wednesday

15 minutes

Practice answering multiple choice, short answer and extended response questions using the questions in the book, *Mastering Ohio's Grade 5 Science Achievement Test*. An answer document has been created for all the end of lesson questions, the Test Your Understanding questions, and the two Practice Tests at the end of the book. The lessons do not have to be done in order.

- ▶ Allow students to look in the book for the answers as they work through the questions. It would be very beneficial if students work in teams. It would generate rich discussions about the questions and help develop critical thinking skills.
- ▶ Try to make the lessons self grading if possible. An answer key can be available for students to look at when they have answered all the questions.
- ▶ Try to use Formula Response when answering the short answer, extended response questions. If time is short, have your students put the answers on the spokes and as a class write a group response.
- ▶ Organize your classroom in a variety of ways. See the chart below for ideas.

Ways to organize your classroom
<ul style="list-style-type: none">• Whole class<ul style="list-style-type: none">○ Teacher or students read aloud the questions and each student answers the questions on the Answer Document.
<ul style="list-style-type: none">• Small groups<ul style="list-style-type: none">○ Students work in twos, threes, or fours. Each student must mark or write their own answer as the group discusses the possible answers.
<ul style="list-style-type: none">• Centers<ul style="list-style-type: none">○ Use the book at a center. Several centers can be created using different lessons from the book.
<ul style="list-style-type: none">• Individual<ul style="list-style-type: none">○ Students work on their own to find the answers in the book. (This would be the least desirable method as students might just go through the motions of marking the Answer Document.)○ Students can be assigned a lesson for homework on Wednesday night and the answers can be discussed on Thursdays.

Name _____

Date _____

Lesson 4
Scientific Ways of Knowing

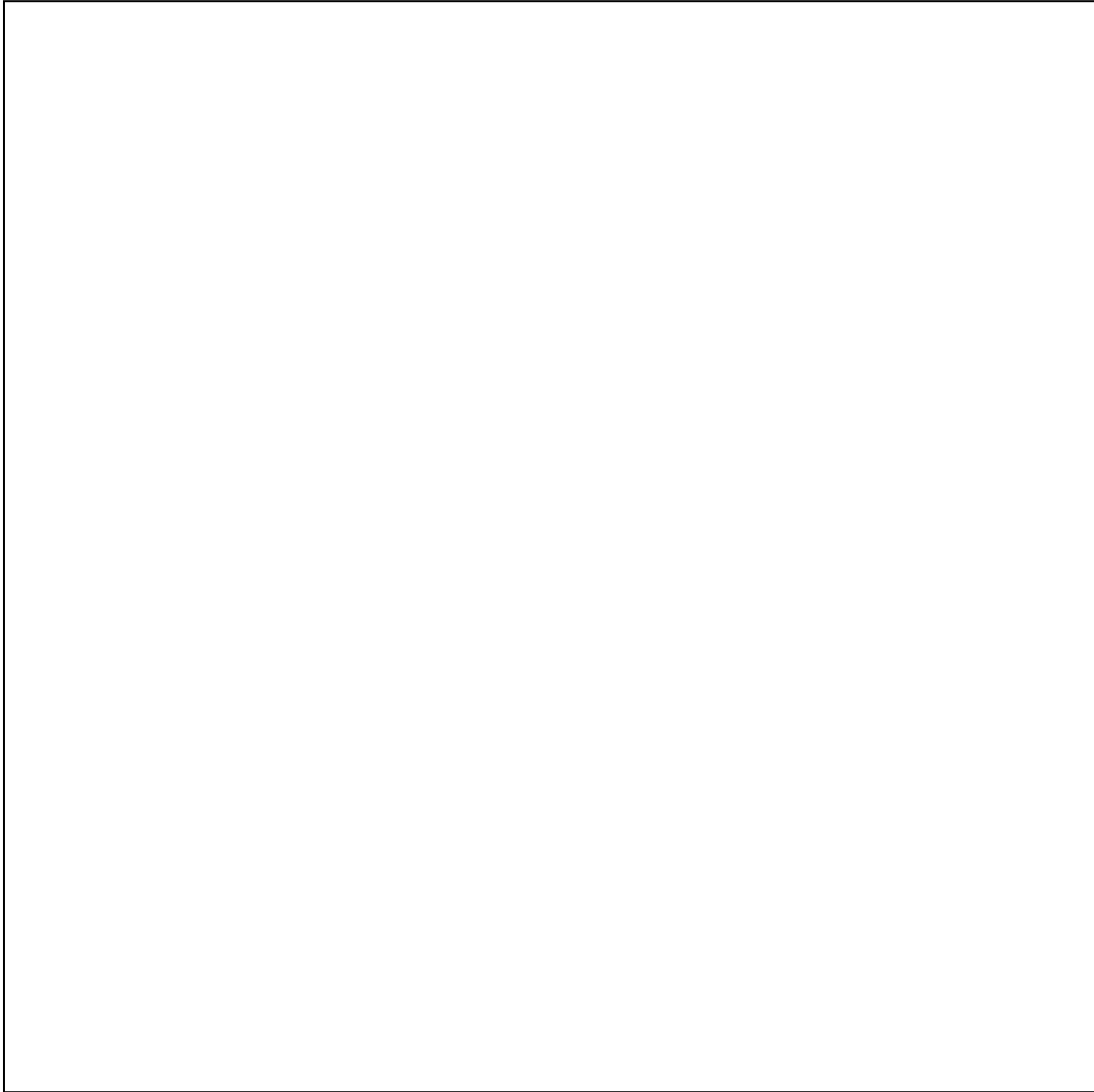
What is science?

Pages 39 – 41

1. (A) (B) (C) (D)
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3. (A) (B) (C) (D)
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7. (A) (B) (C) (D)
8. (A) (B) (C) (D)

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9. Write the response to question 9 in the space below. Do not write outside the box.

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Name _____

Date _____

Lesson 5
Scientific Inquiry: Designing an Experiment

What are steps in a scientific investigation?

Pages 53 – 55

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9. Ⓐ Ⓑ Ⓒ Ⓓ
10. Ⓐ Ⓑ Ⓒ Ⓓ

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11. Write the response to question 11 in the space below. Do not write outside the box.

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Lesson 6
Scientific Inquiry: Conducting an Investigation

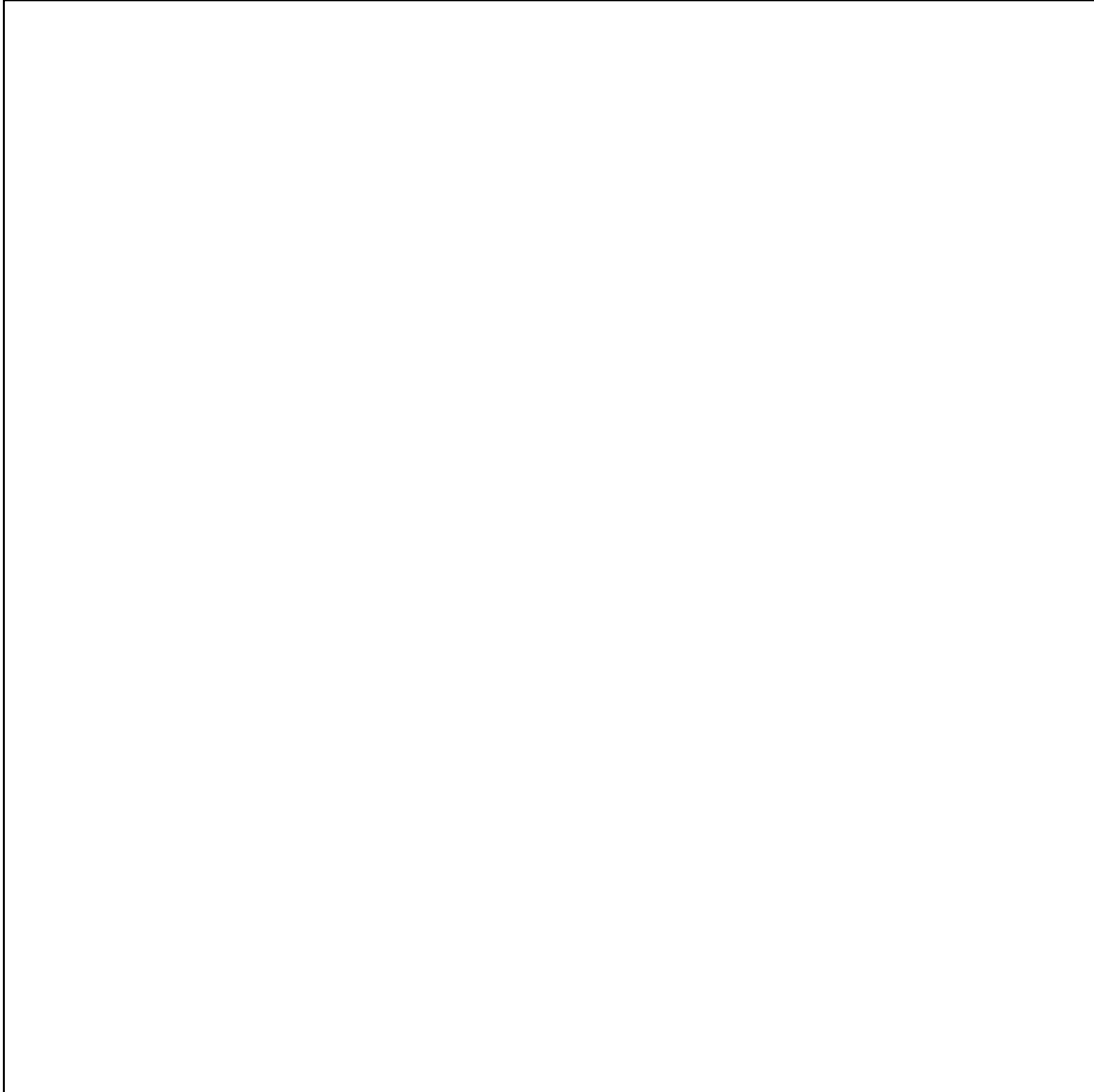
How do scientists collect data?

Pages 70 – 72

1. Ⓐ Ⓑ Ⓒ Ⓓ
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7. Ⓐ Ⓑ Ⓒ Ⓓ
8. Ⓐ Ⓑ Ⓒ Ⓓ
9. Ⓐ Ⓑ Ⓒ Ⓓ
- 10 Ⓐ Ⓑ Ⓒ Ⓓ
- 11.. Ⓐ Ⓑ Ⓒ Ⓓ

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11. Write the response to question 11 in the space below. Do not write outside the box.

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Lesson 7
Science and Technology

What is technology?

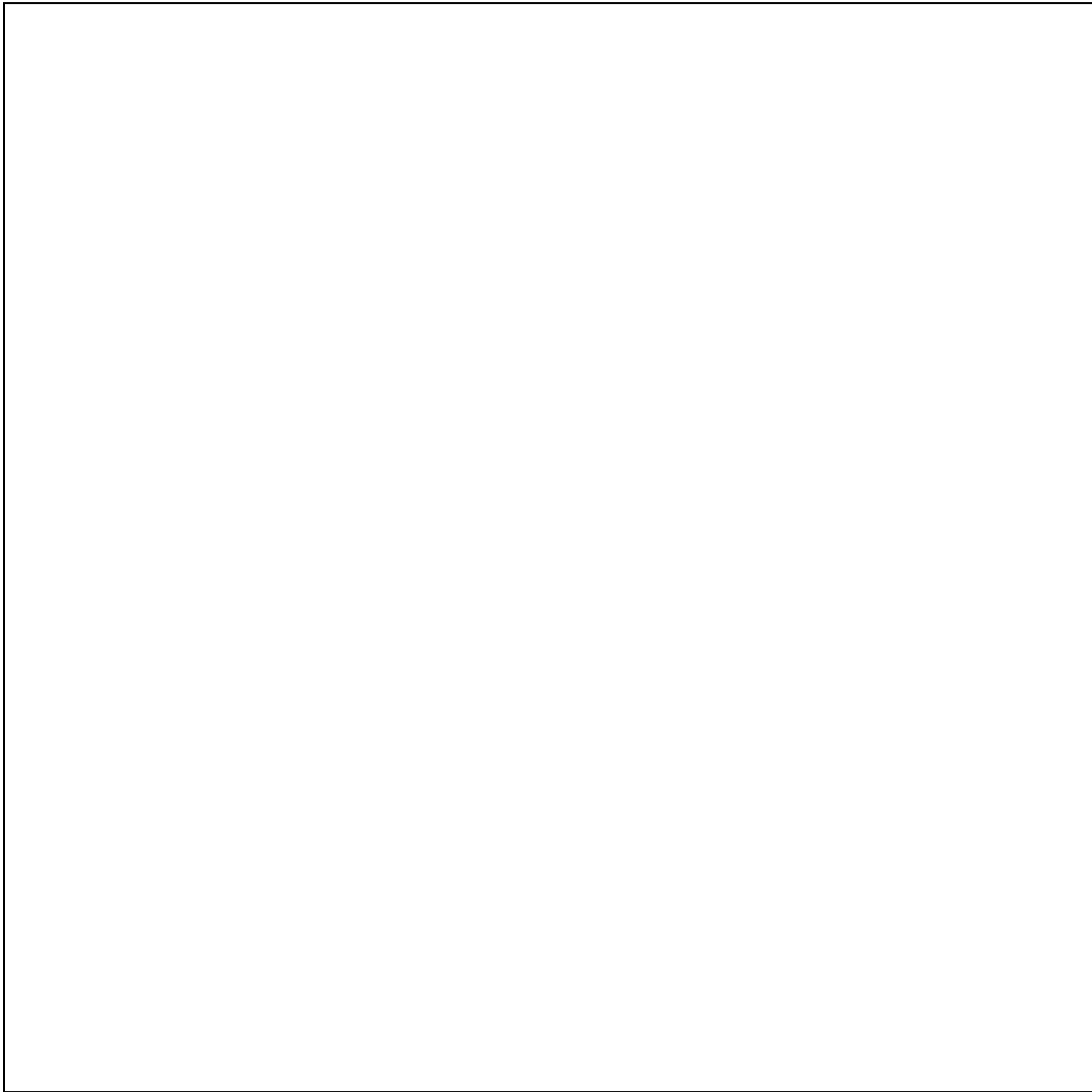
Pages 79 – 80

1. (A) (B) (C) (D)
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4. (A) (B) (C) (D)

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6. Write the response to question 6 in the space below. Do not write outside the box.



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Lesson 7
Testing Your Understanding of Process Skills

Pages 82 – 83

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8. (A) (B) (C) (D)
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Name _____

Date _____

Lesson 8

Life Science: Plants characteristics and life cycles

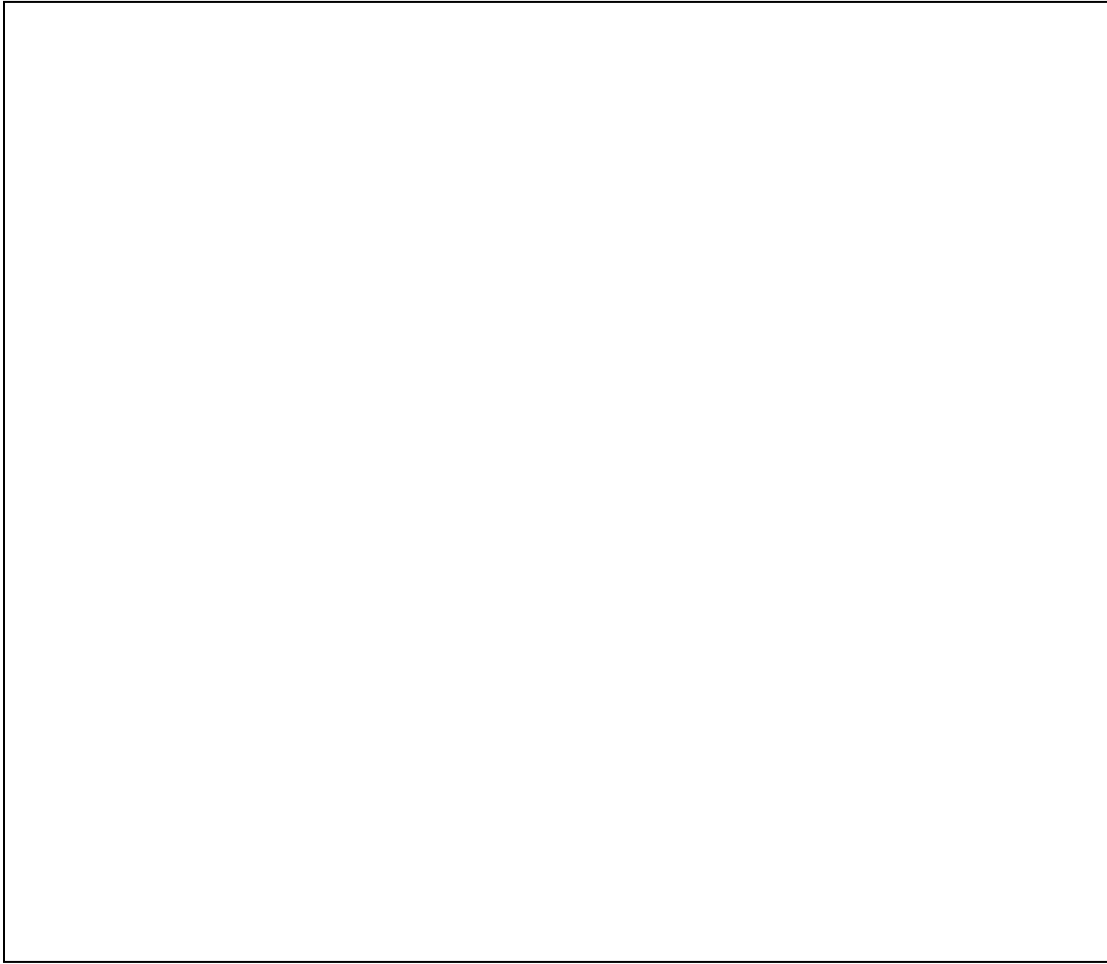
What is a plant?

Pages 91 – 93

1. (A) (B) (C) (D)
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4. (A) (B) (C) (D)
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9. (A) (B) (C) (D)
10. (A) (B) (C) (D)

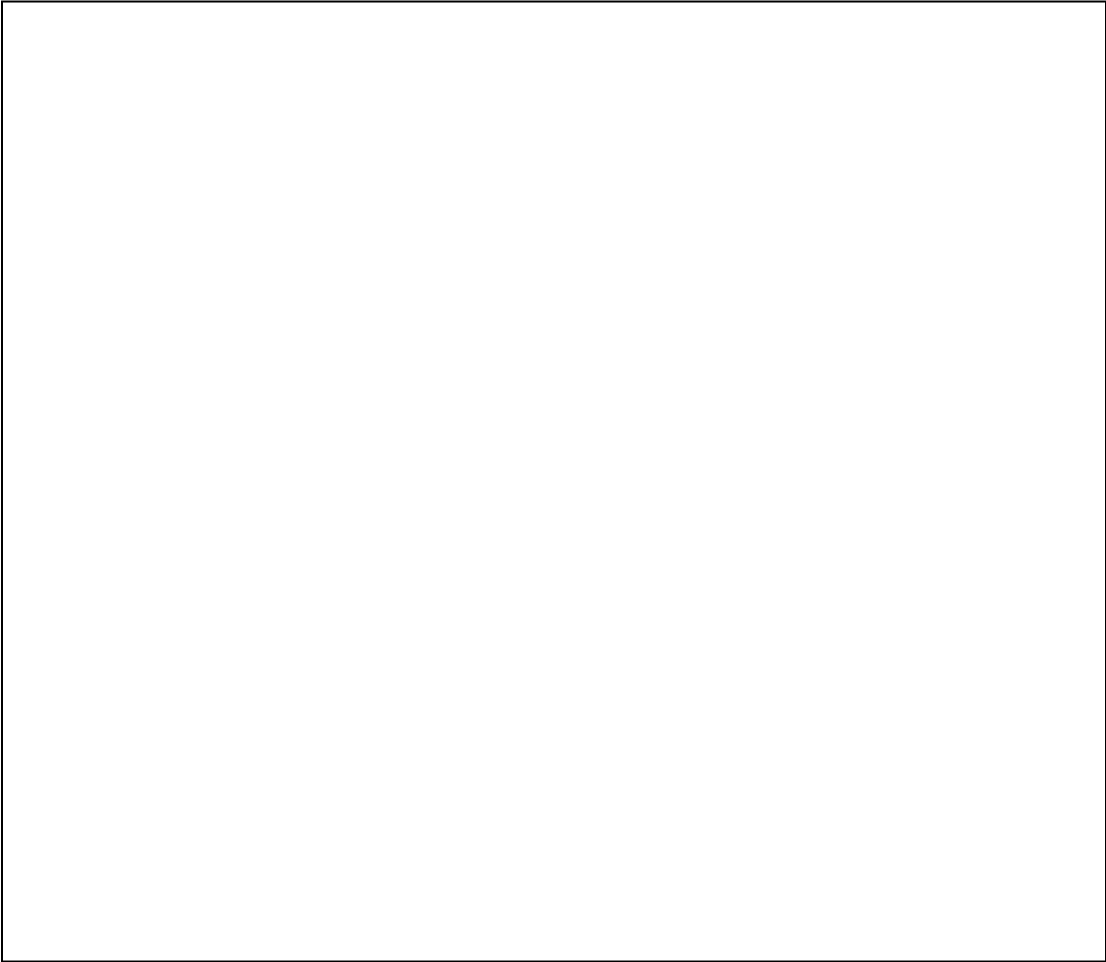
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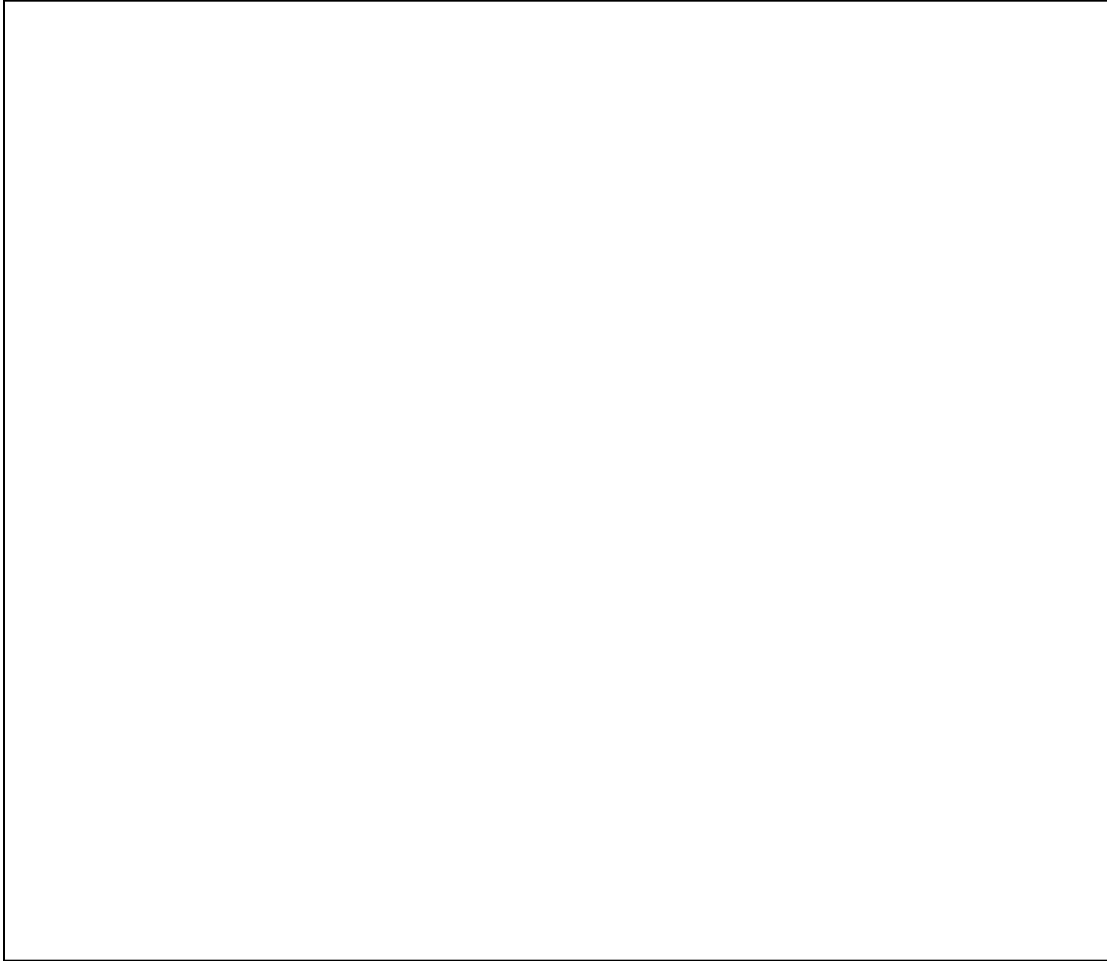


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12. Write the response to question 12 in the space below. Do not write outside the box.



13. Write the response to question 13 in the space below. Do not write outside the box.



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Lesson 9

Life Science: Animals characteristics and life cycles

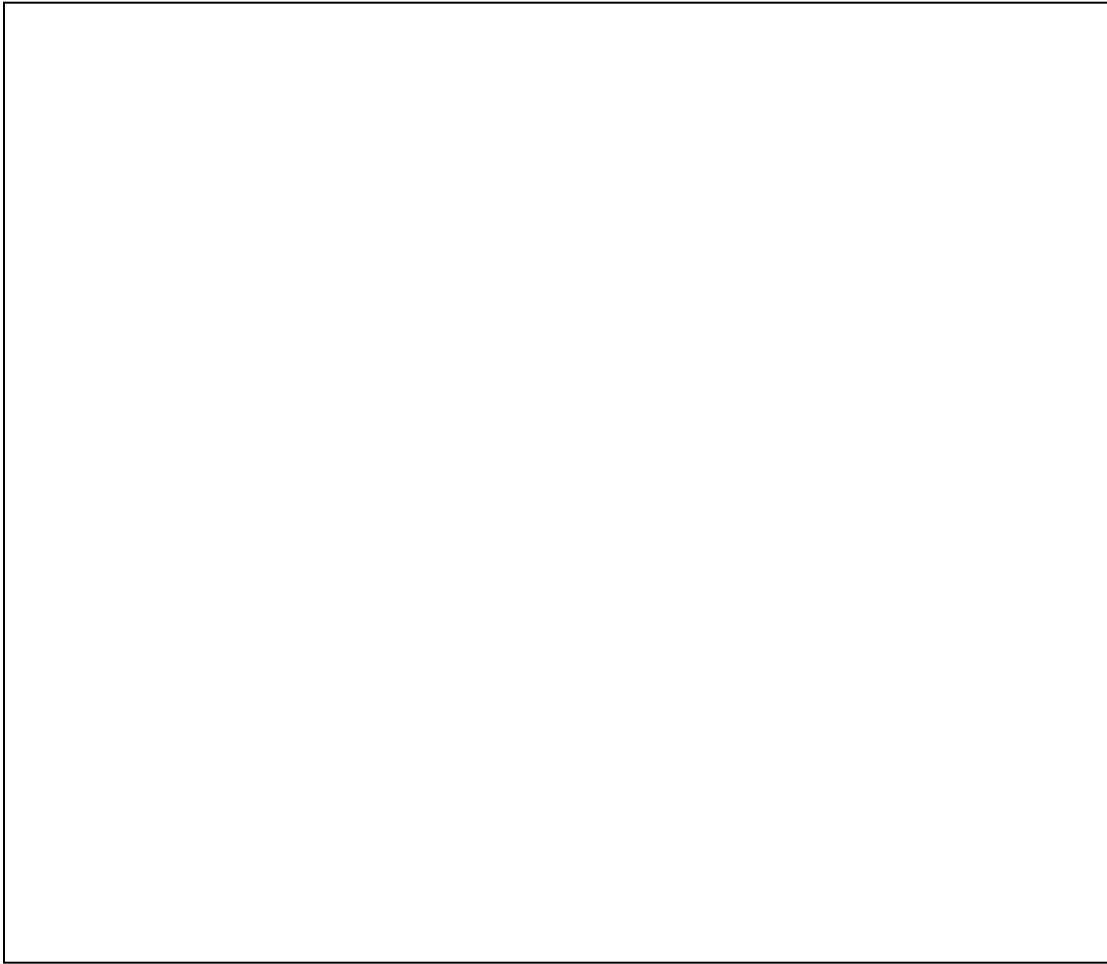
How do animals meet their needs?

Pages 100 – 102

1. (A) (B) (C) (D)
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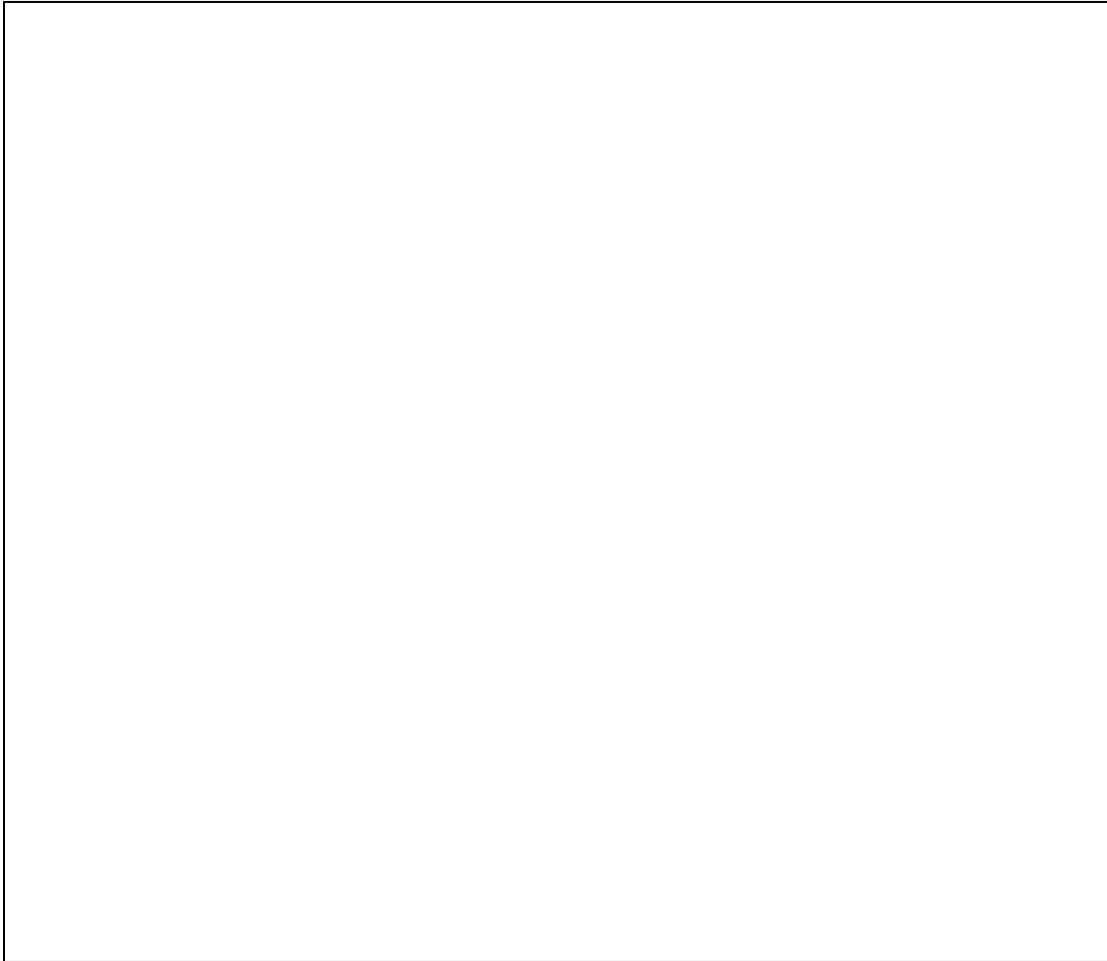
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13. Write the response to question 13 in the space below. Do not write outside the box.



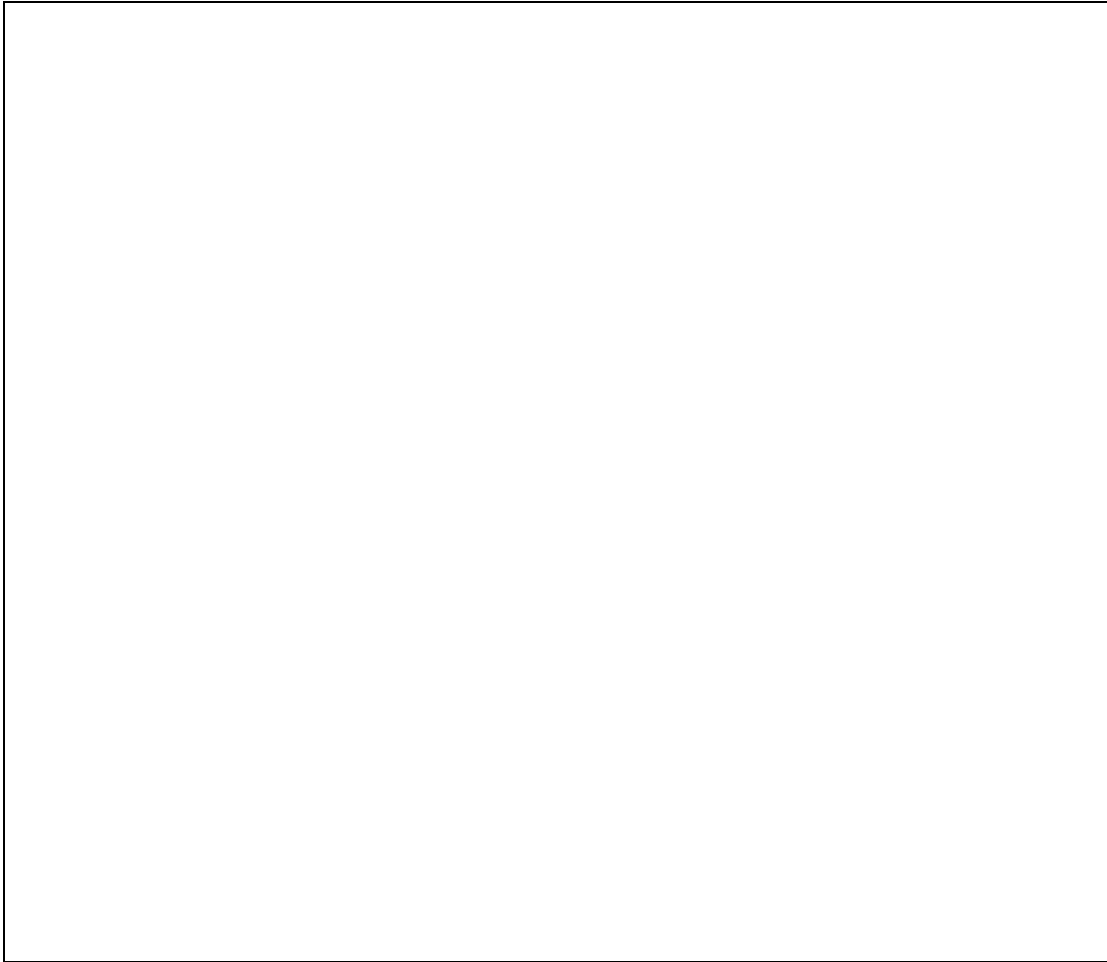
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14. Write the response to question 14 in the space below. Do not write outside the box.

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15. Write the response to question15 in the space below. Do not write outside the box.

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Name _____

Date _____

Lesson 10
Life Science: Ecosystem

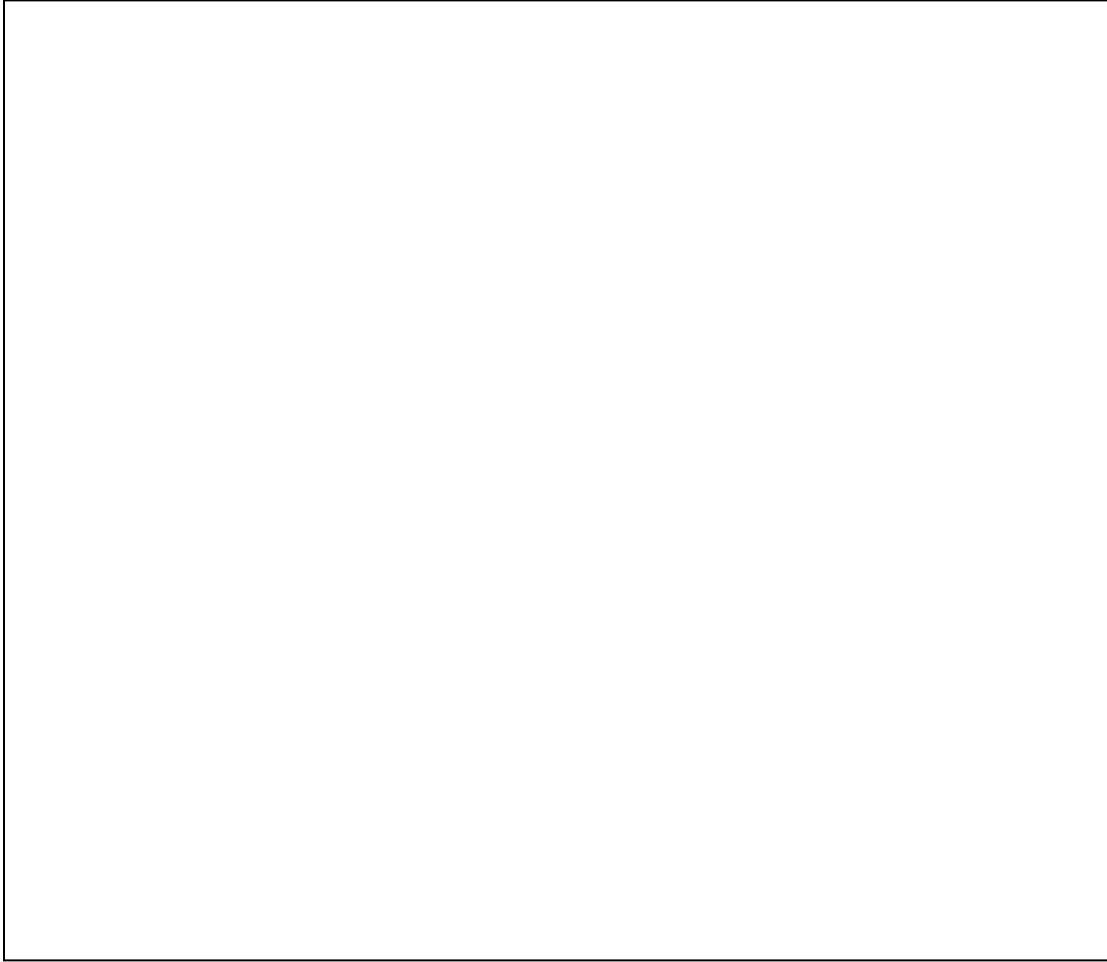
What is an ecosystem?

Pages 116 – 118

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
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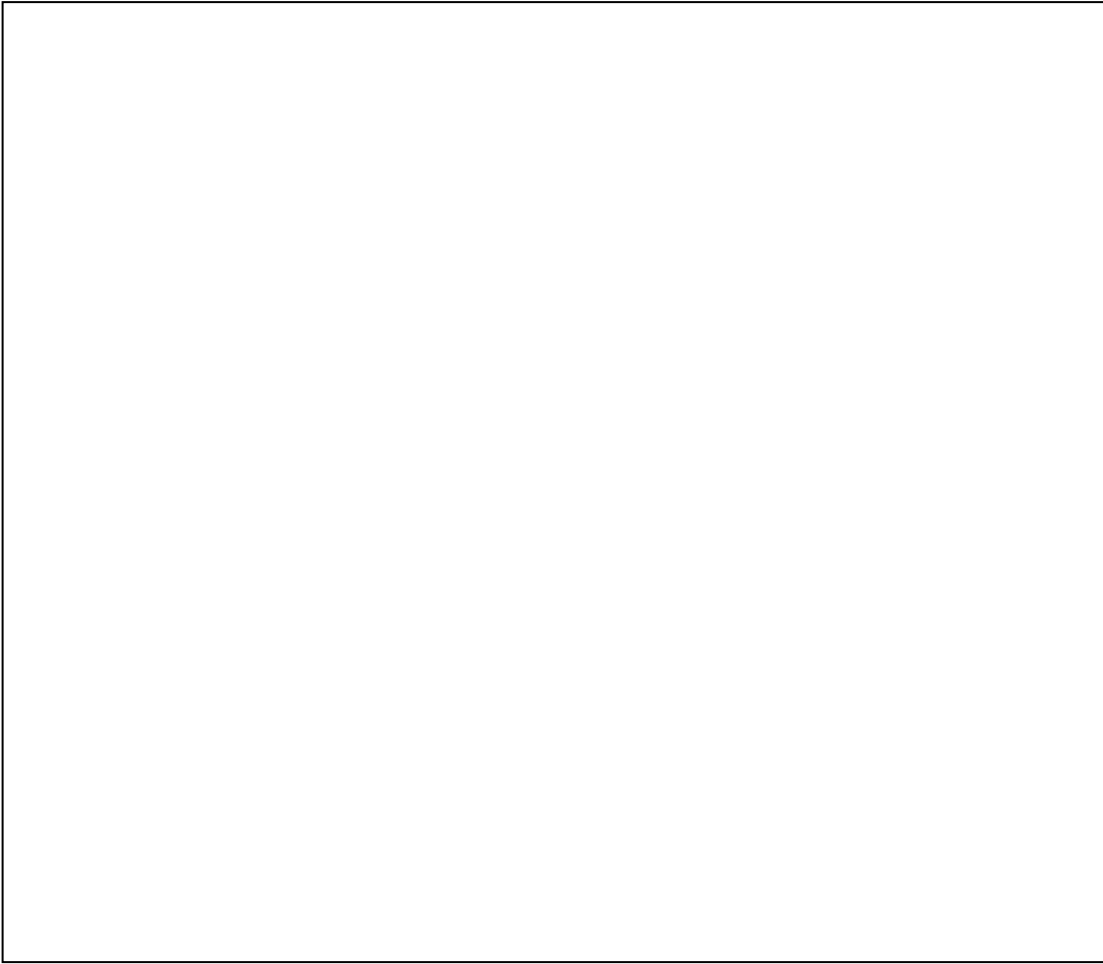
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11. Write the response to question 11 in the space below. Do not write outside the box.



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12. Write the response to question 9 in the space below. Do not write outside the box.



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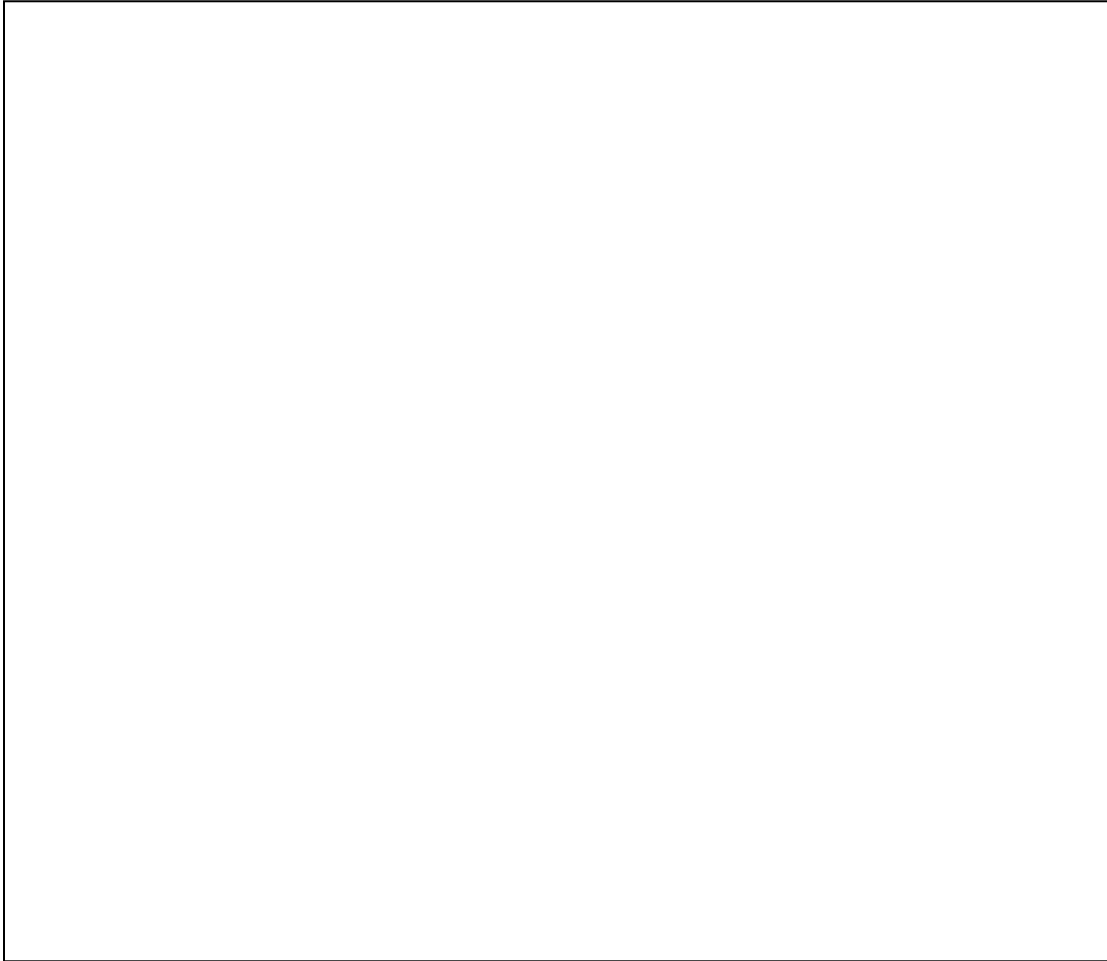
Lesson 10
Testing Your Understanding of Life Science

Pages 120 – 122

1. (A) (B) (C) (D)
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3. (A) (B) (C) (D)
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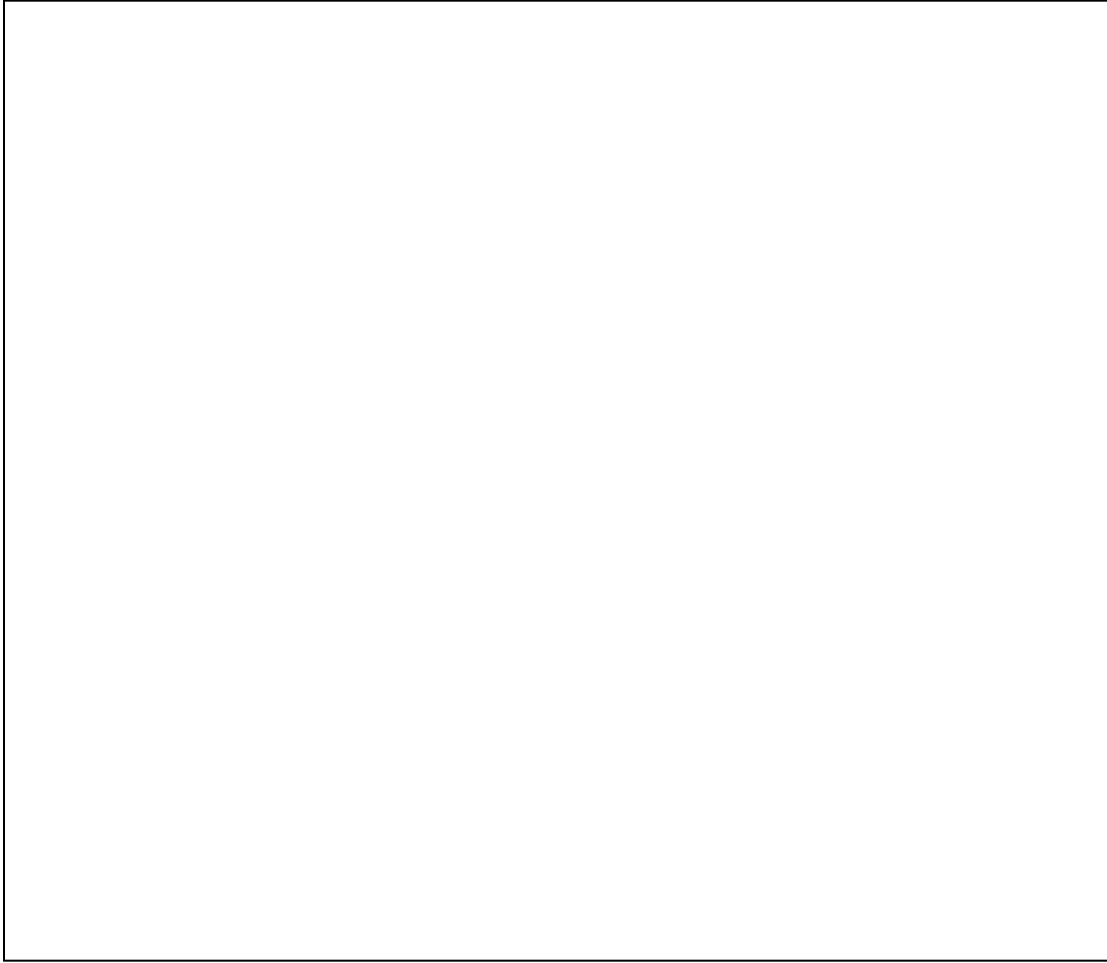
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12. Write the response to question 12 in the space below. Do not write outside the box.



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Lesson 11
Physical Science: Matter

What is matter?

Pages 134 – 136

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
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Lesson 12
Physical Science: Motion and Force

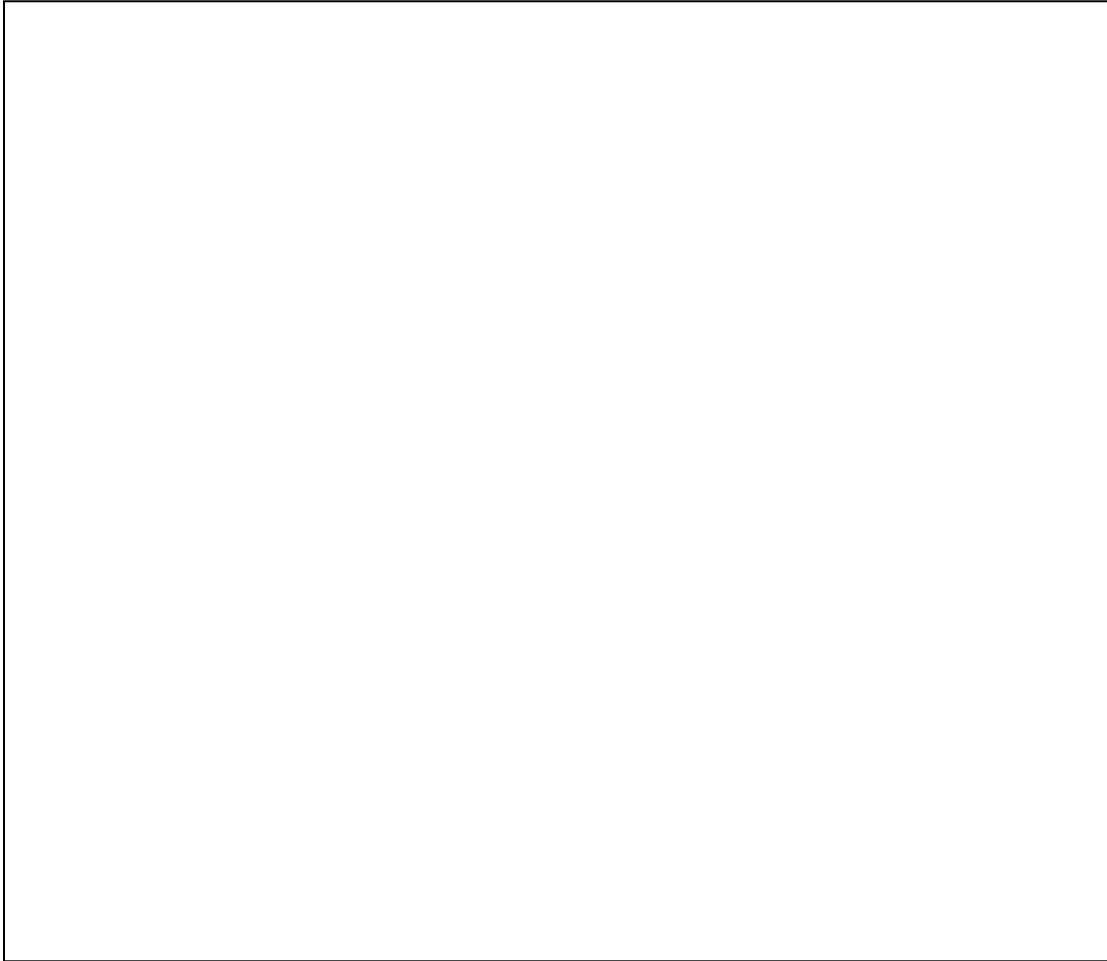
What are the types of energy?

Pages 144 – 146

1. (A) (B) (C) (D)
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3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
5. (A) (B) (C) (D)
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7. (A) (B) (C) (D)
8. (A) (B) (C) (D)
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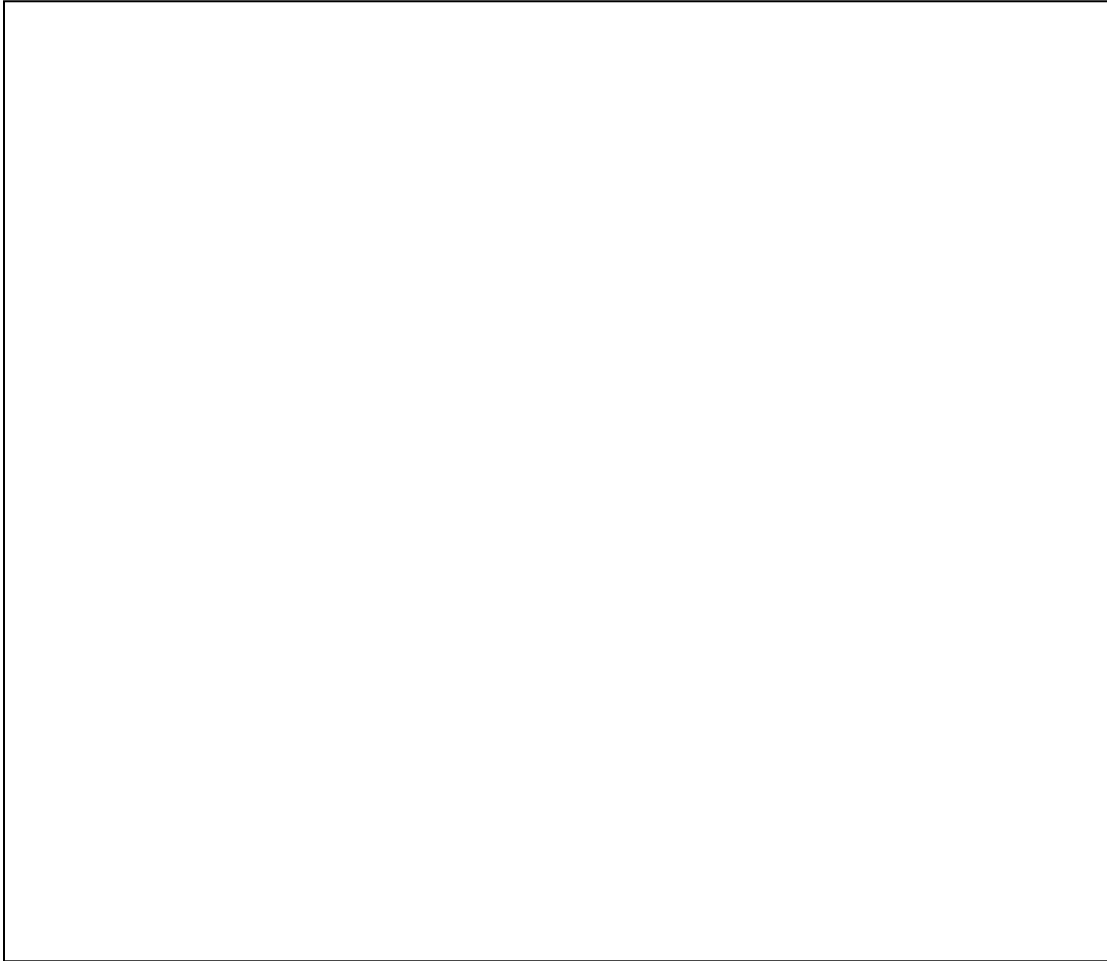
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Name _____

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Lesson 13
Physical Science: Energy

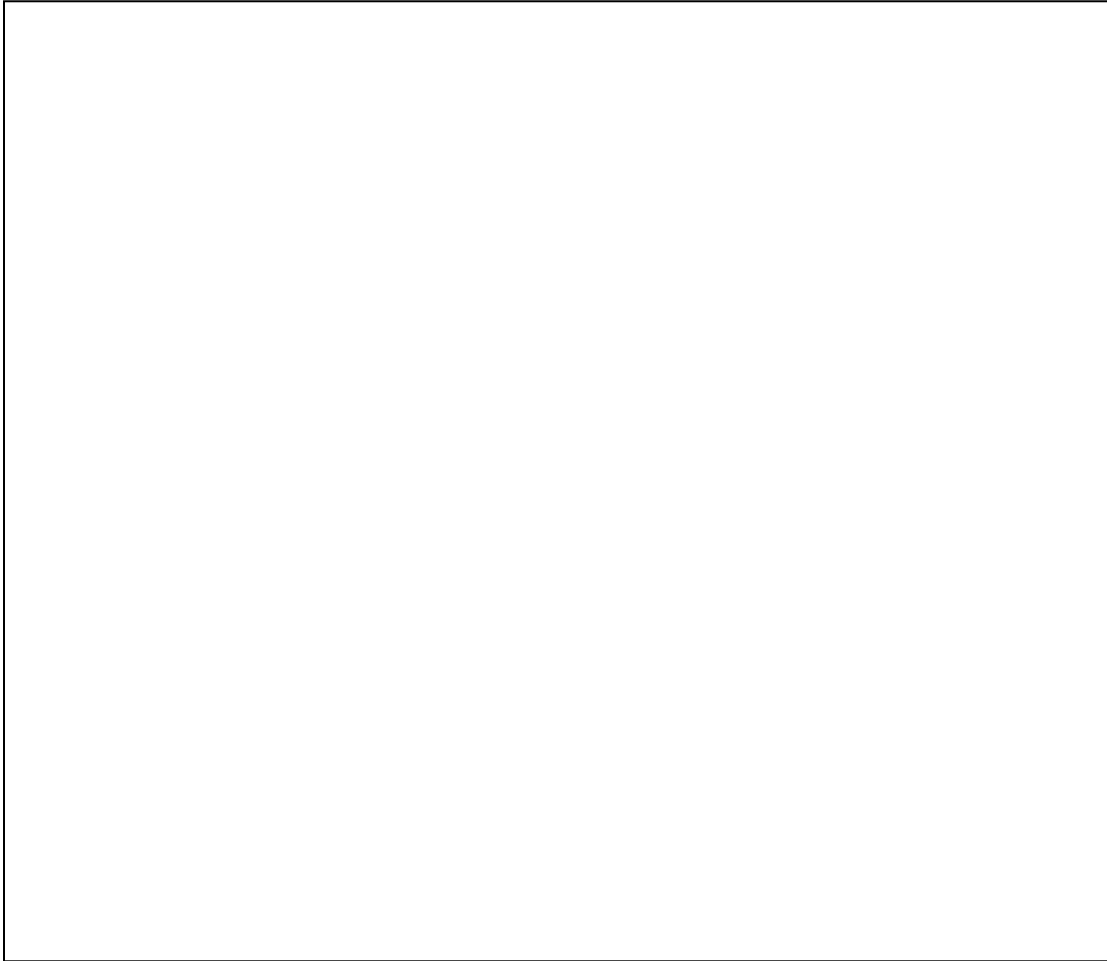
What is energy?

Pages 155 – 157

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
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7. (A) (B) (C) (D)
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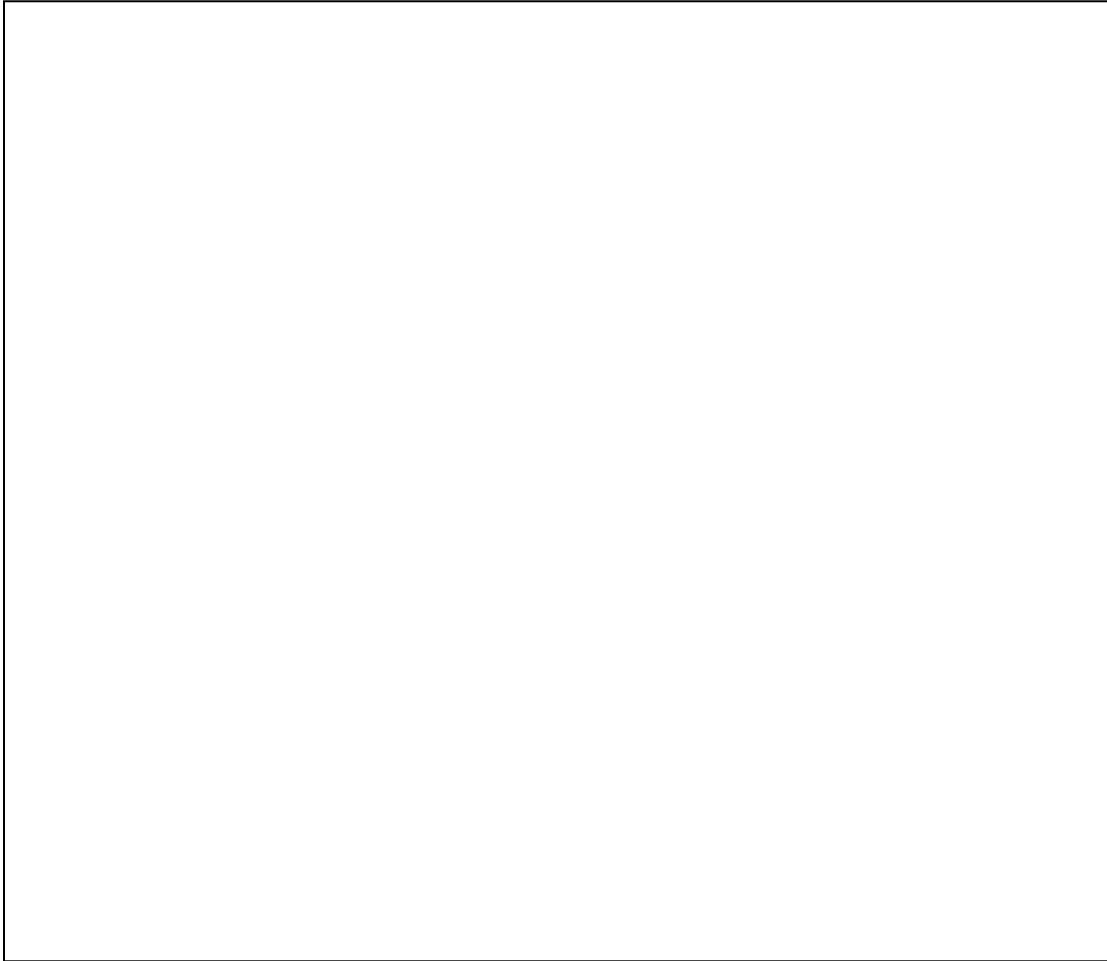
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12. Write the response to question 12 in the space below. Do not write outside the box.



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Name _____

Date _____

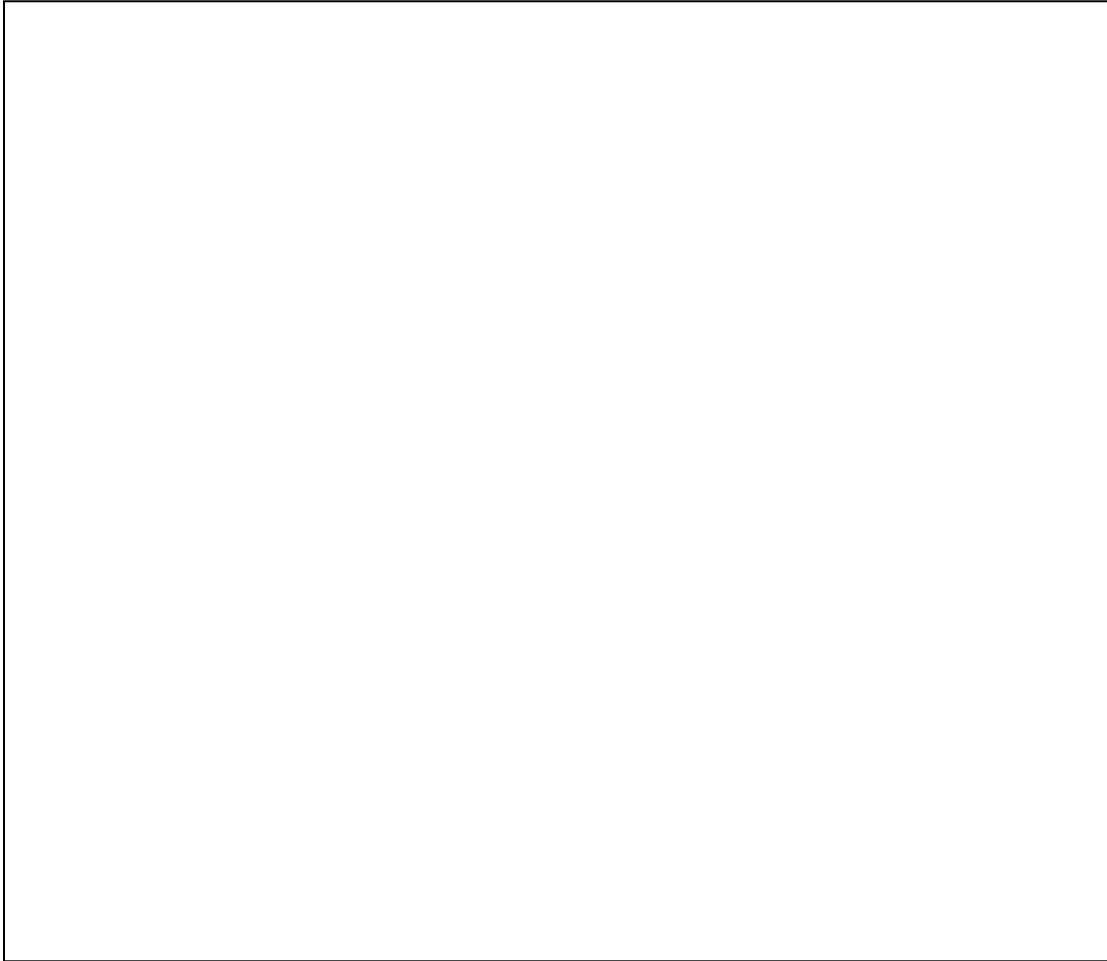
Lesson 13
Testing Your Understanding of Physical Science

Pages 159 – 162

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
5. (A) (B) (C) (D)
6. (A) (B) (C) (D)
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15. (A) (B) (C) (D)
16. (A) (B) (C) (D)
17. (A) (B) (C) (D)

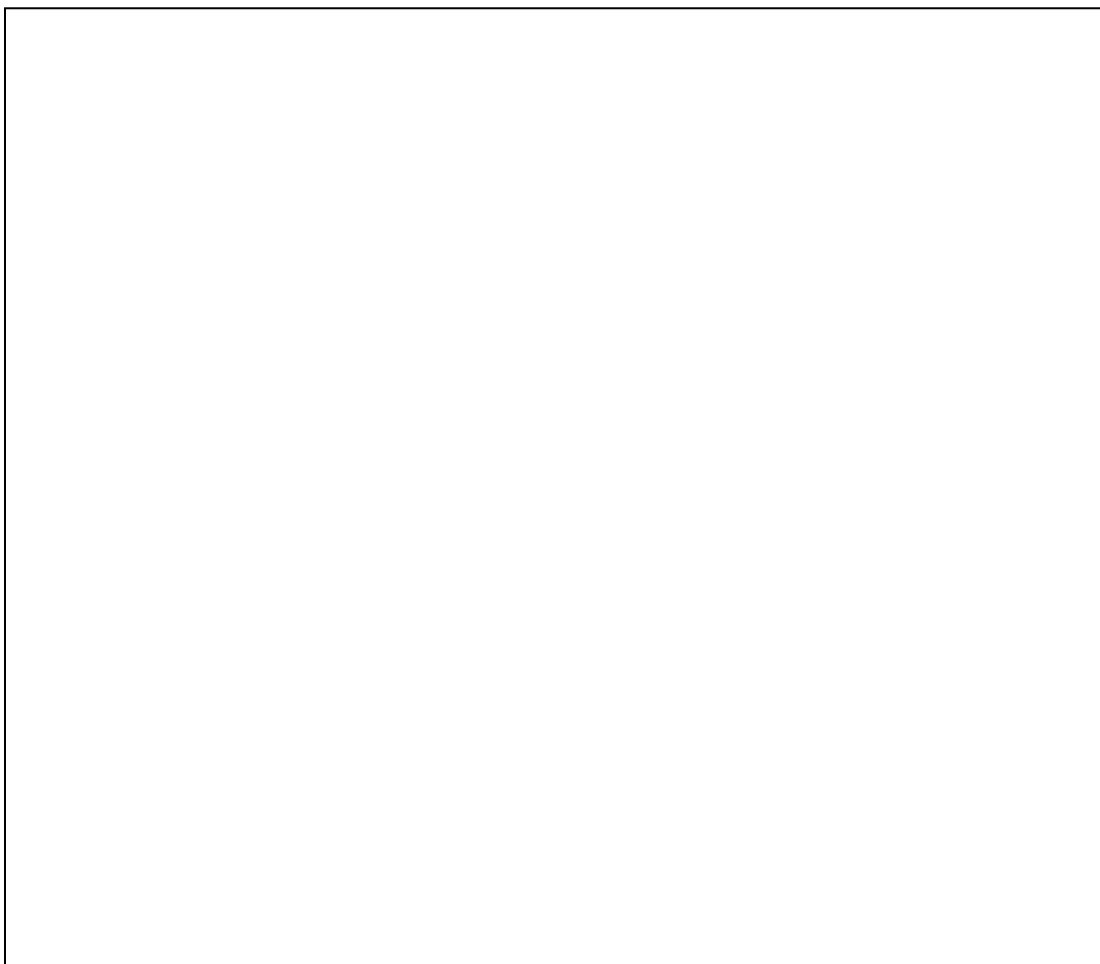
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18. Write the response to question 18 in the space below. Do not write outside the box.

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19. Write the response to question 19 in the space below. Do not write outside the box.

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STOP

Name _____

Date _____

Lesson 14
Earth and Space: Earth's Place in the Universe

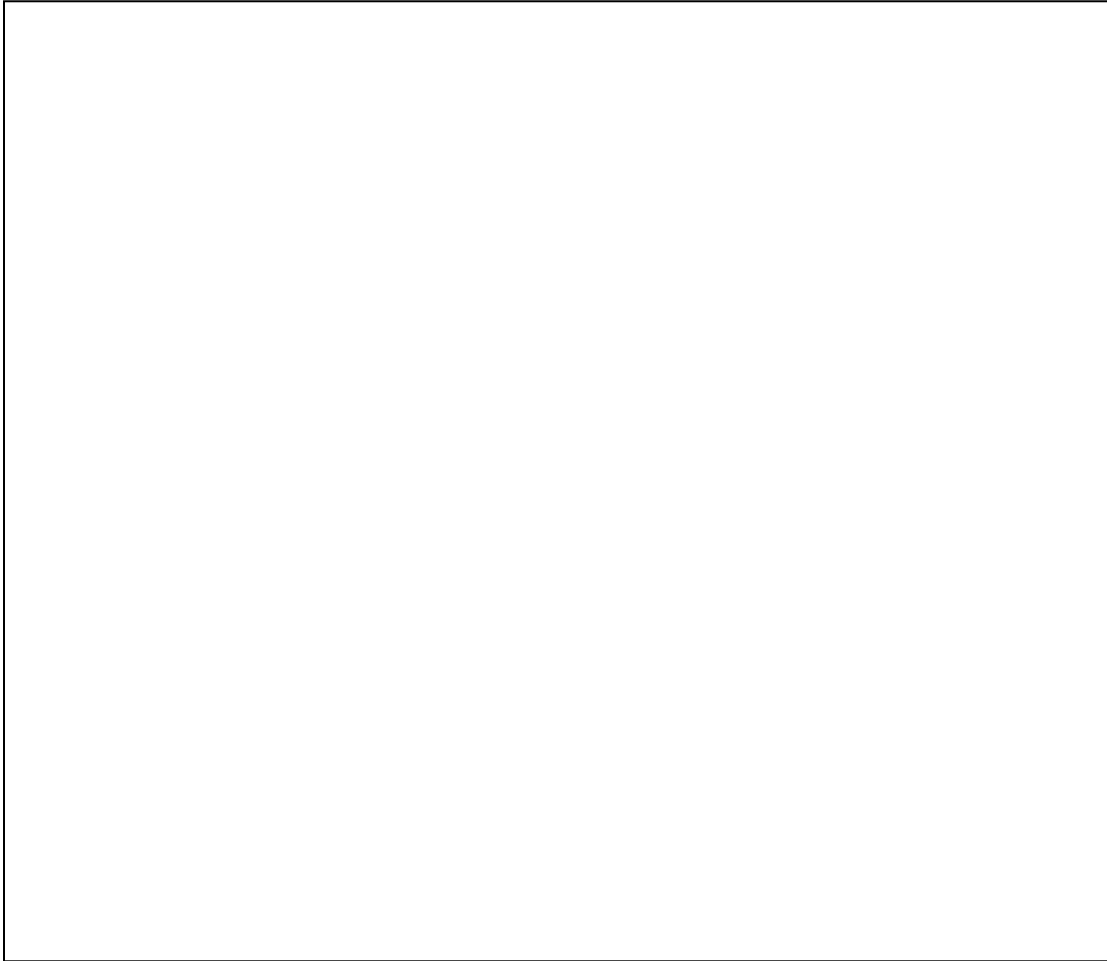
What is our solar system?

Pages 169 – 170

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
5. (A) (B) (C) (D)
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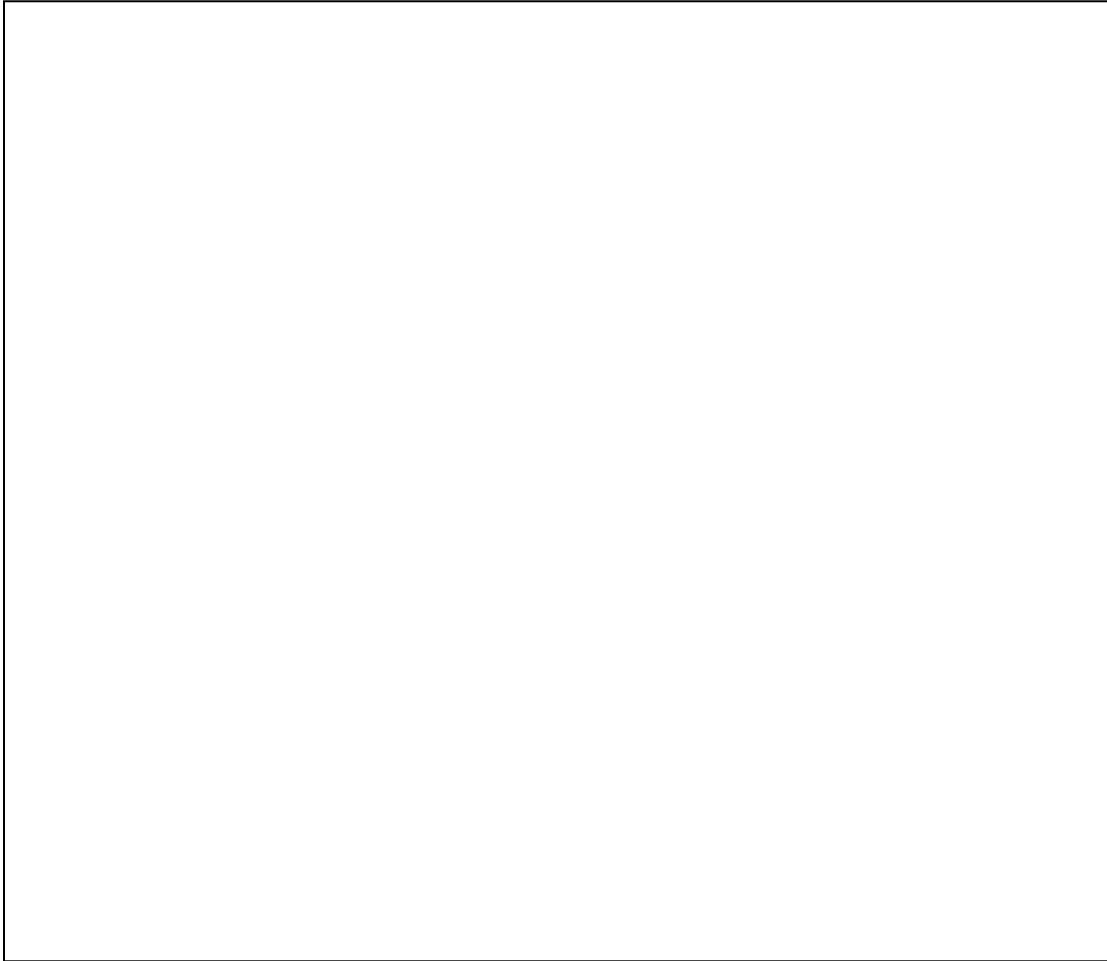
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10. Write the response to question 10 in the space below. Do not write outside the box.

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11. Write the response to question 11 in the space below. Do not write outside the box.



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Name _____

Date _____

Lesson 15
Earth and Space: Earth's Changing Surface

What is weathering?

Pages 178 – 179

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
5. (A) (B) (C) (D)
6. (A) (B) (C) (D)
7. (A) (B) (C) (D)

8. Write the response to question 9 in the space below. Do not write outside the box.

STOP

Name _____

Date _____

Lesson 16
Earth and Space: Earth's Resources

What are Earth's resources?

Pages 188 – 189

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
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7. (A) (B) (C) (D)

Name _____

Date _____

Lesson 17
Earth and Space: Weather

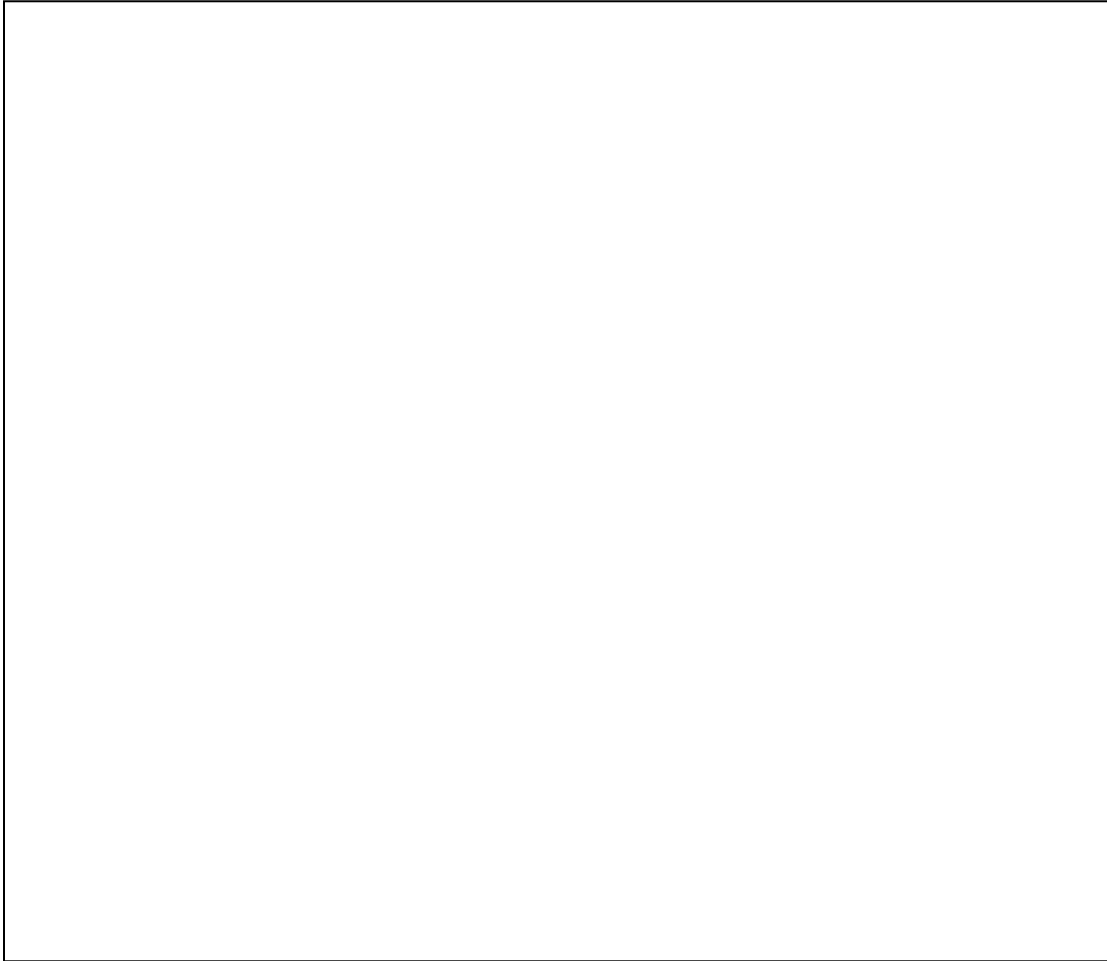
What is weather?

Pages 197 – 198

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
5. (A) (B) (C) (D)
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8. (A) (B) (C) (D)
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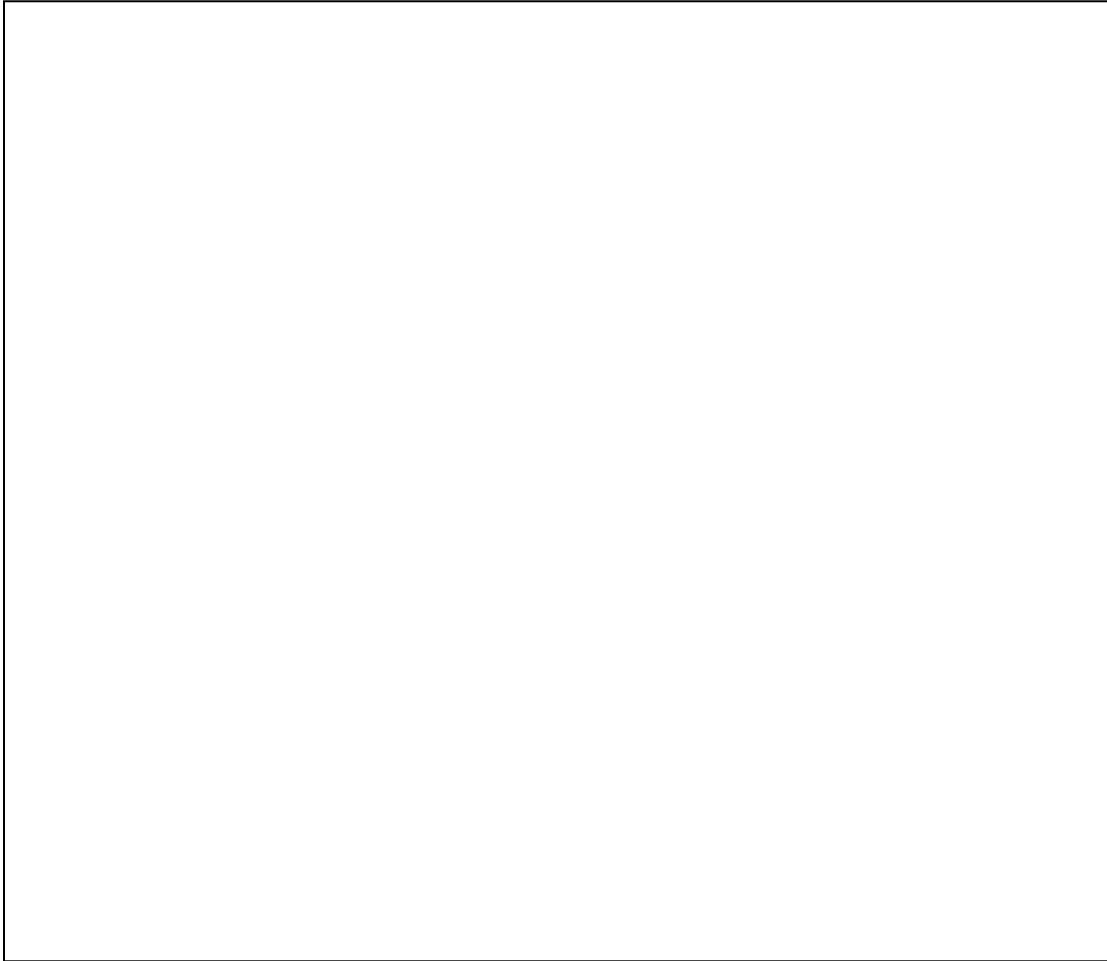
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10. Write the response to question 10 in the space below. Do not write outside the box.



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11. Write the response to question 11 in the space below. Do not write outside the box.

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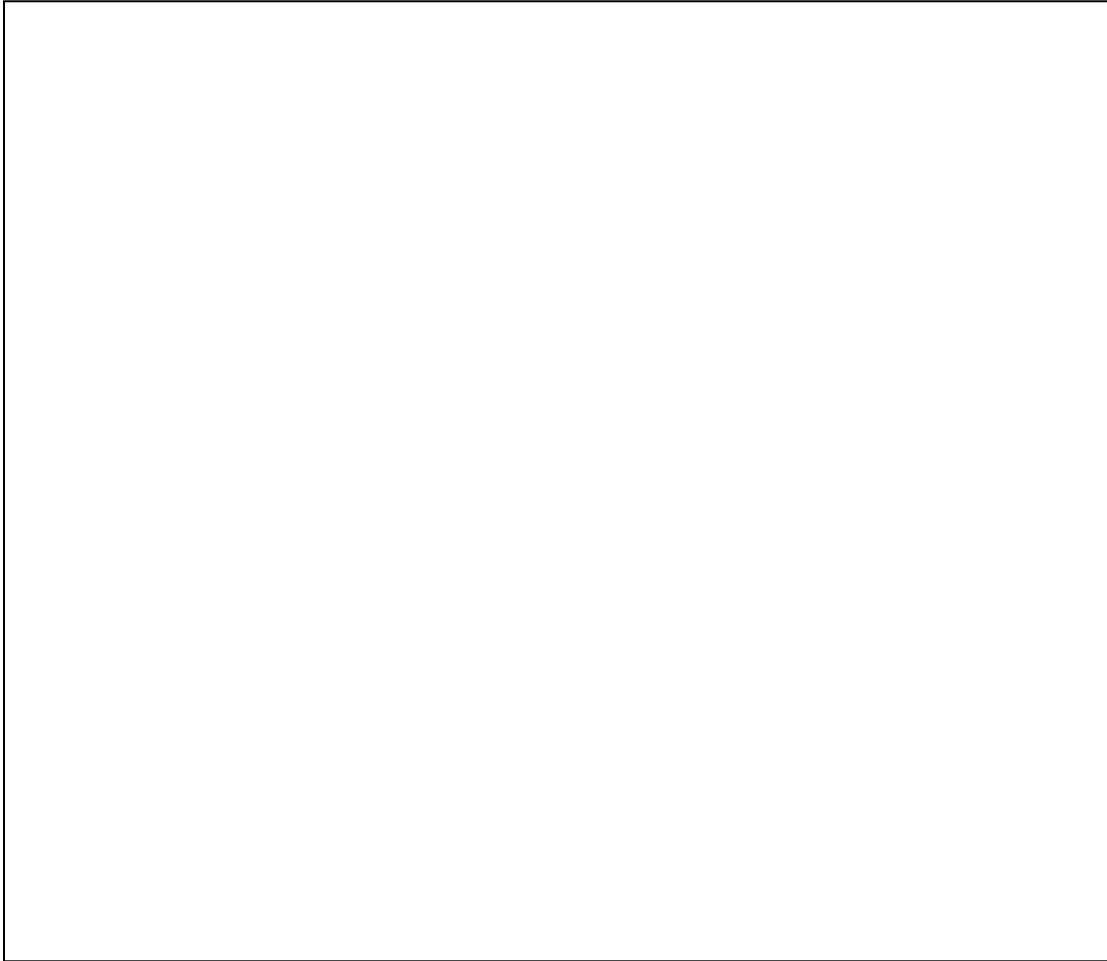
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Lesson 17
Testing Your Understanding of Earth and Space Science

Pages 200 – 203

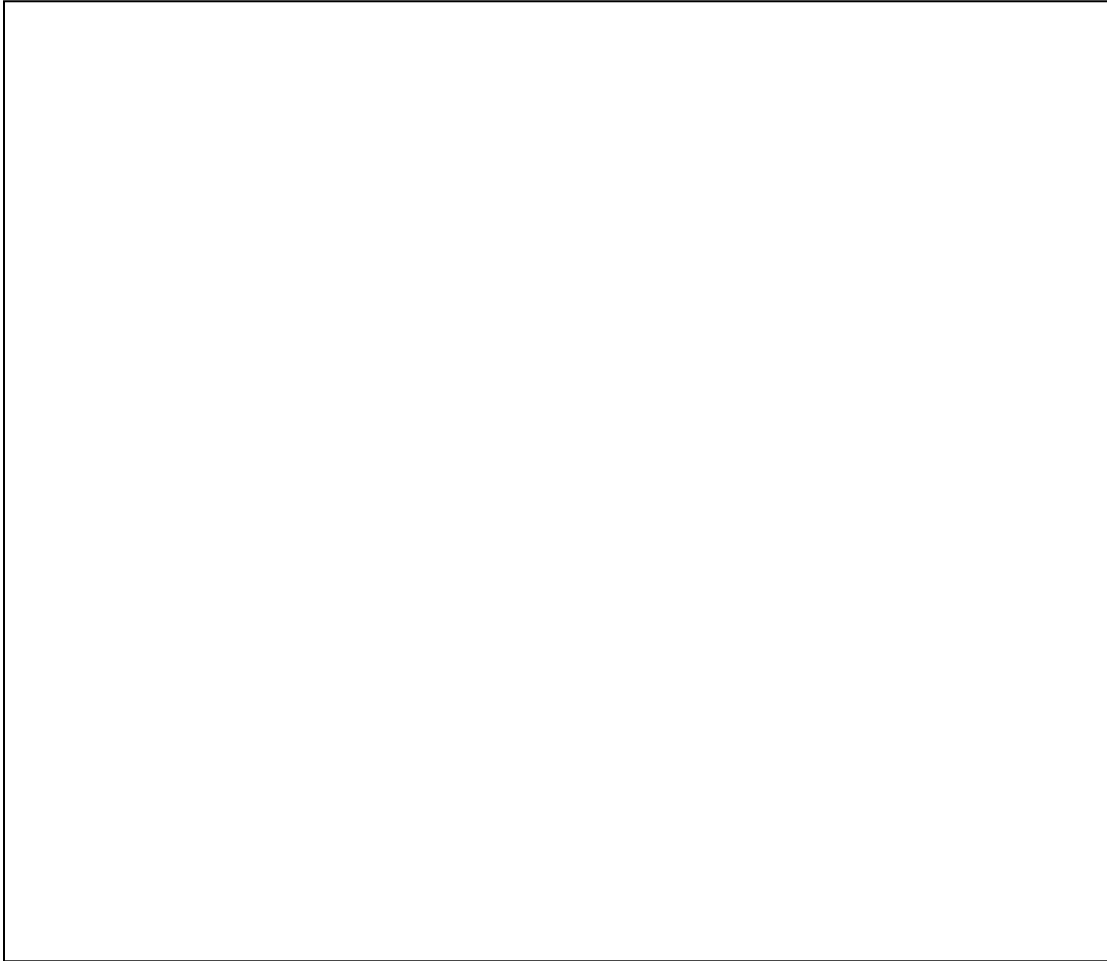
1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
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7. (A) (B) (C) (D)
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9. (A) (B) (C) (D)
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11. (A) (B) (C) (D)
12. (A) (B) (C) (D)
13. (A) (B) (C) (D)
14. (A) (B) (C) (D)
15. (A) (B) (C) (D)

16. Write the response to question 16 in the space below. Do not write outside the box.



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17. Write the response to question 17 in the space below. Do not write outside the box.



STOP

Name _____

- 1. (A) (B) (C) (D)
- 2. (A) (B) (C) (D)
- 3. (A) (B) (C) (D)
- 4. (A) (B) (C) (D)
- 5. (A) (B) (C) (D)
- 6. (A) (B) (C) (D)

7. Write the response to question 7 in the space below. Do not write outside the box.

8. (A) (B) (C) (D)

9. (A) (B) (C) (D)

10. (A) (B) (C) (D)

11. (A) (B) (C) (D)

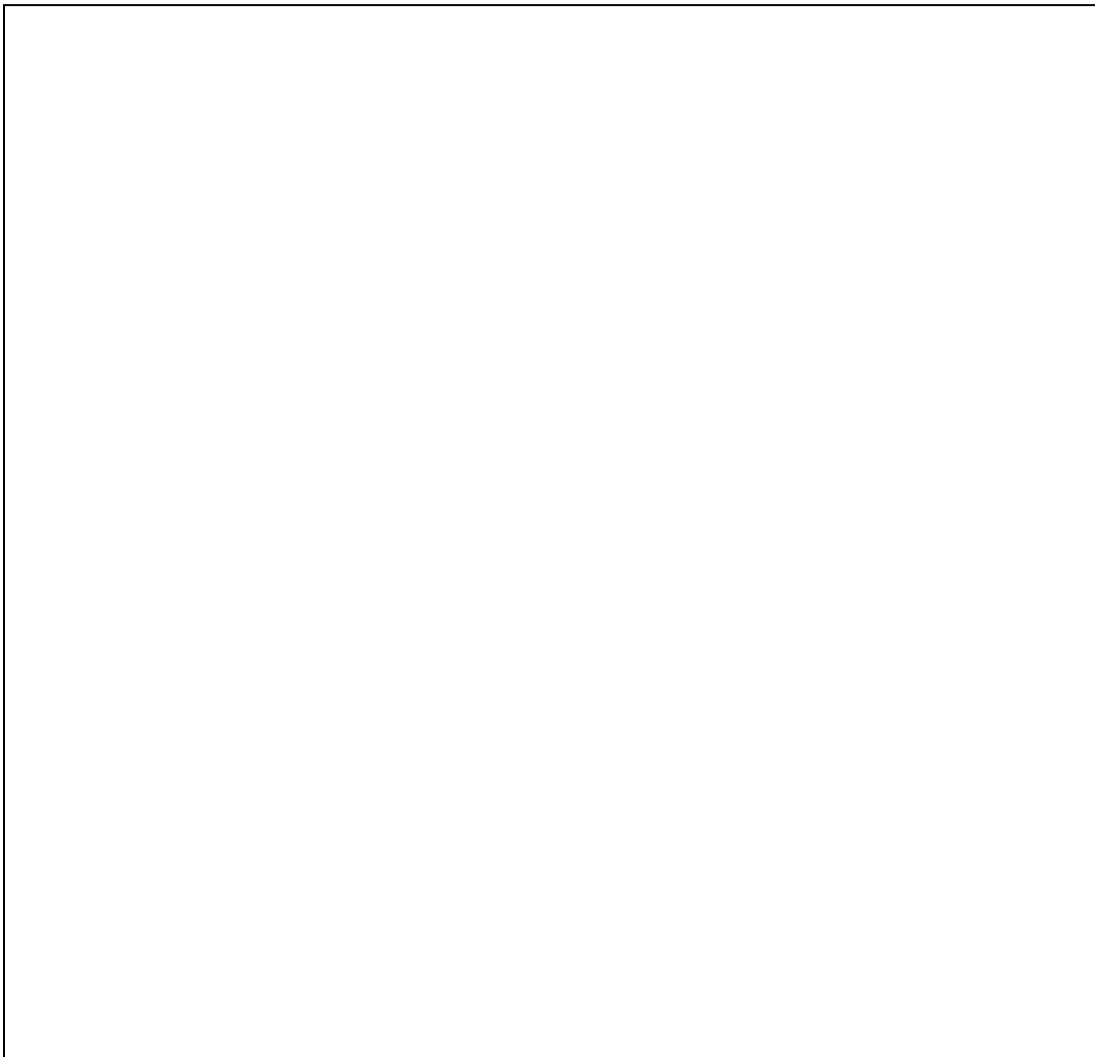
12. Write the response to question 12 in the space below. Do not write outside of the box.



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- 13. (A) (B) (C) (D)
- 14. (A) (B) (C) (D)
- 15. (A) (B) (C) (D)
- 16. (A) (B) (C) (D)
- 17. (A) (B) (C) (D)
- 18. (A) (B) (C) (D)
- 19. (A) (B) (C) (D)
- 20. (A) (B) (C) (D)

21. Write the response to question 21 in the space below. Do not write outside of the box.



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22. (A) (B) (C) (D)

23. (A) (B) (C) (D)

24. (A) (B) (C) (D)

25. (A) (B) (C) (D)

26. (A) (B) (C) (D)

27. Write the response to question 21 in the space below. Do not write outside of the box.



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28. (A) (B) (C) (D)

29. (A) (B) (C) (D)

30. (A) (B) (C) (D)

31. (A) (B) (C) (D)

32. (A) (B) (C) (D)

33. (A) (B) (C) (D)

34. Write the response to question 34 in the space below. Do not write outside of the box.



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35. (A) (B) (C) (D)

36. (A) (B) (C) (D)

37. Write the response to question 37 in the space below. Do not write outside of the box.



38. (A) (B) (C) (D)

STOP