



True or False

Follow the instructions below to complete the activity.

NAME

DATE

Using information found in the book, verify whether the following statements are true or false. Check your answers in the book. List the page number where you found the information beside your answer.

Statement 1	<div style="border: 1px solid black; padding: 10px; width: fit-content;">Plants use energy from the Sun in order to grow.</div>	<input type="radio"/> True	Page Number	<input type="text"/>
		<input type="radio"/> False		
Statement 2	<div style="border: 1px solid black; padding: 10px; width: fit-content;">Energy can be created or destroyed, but it cannot change forms.</div>	<input type="radio"/> True	Page Number	<input type="text"/>
		<input type="radio"/> False		
Statement 3	<div style="border: 1px solid black; padding: 10px; width: fit-content;">An engine changes energy from one form to another.</div>	<input type="radio"/> True	Page Number	<input type="text"/>
		<input type="radio"/> False		
Statement 4	<div style="border: 1px solid black; padding: 10px; width: fit-content;">An object's temperature is a measure of how much energy its particles have.</div>	<input type="radio"/> True	Page Number	<input type="text"/>
		<input type="radio"/> False		
Statement 5	<div style="border: 1px solid black; padding: 10px; width: fit-content;">Riding a bike uphill uses less energy than riding it downhill.</div>	<input type="radio"/> True	Page Number	<input type="text"/>
		<input type="radio"/> False		





Test Your Knowledge of Energy

Follow the instructions below to complete the activity.

NAME

DATE

Test your knowledge of energy by answering these brain teasers.

1. What is positive work?

2. What does an engine do to energy?

3. What is kinetic energy?

4. Give examples of fossil fuels.

5. Which energy sources are renewable?

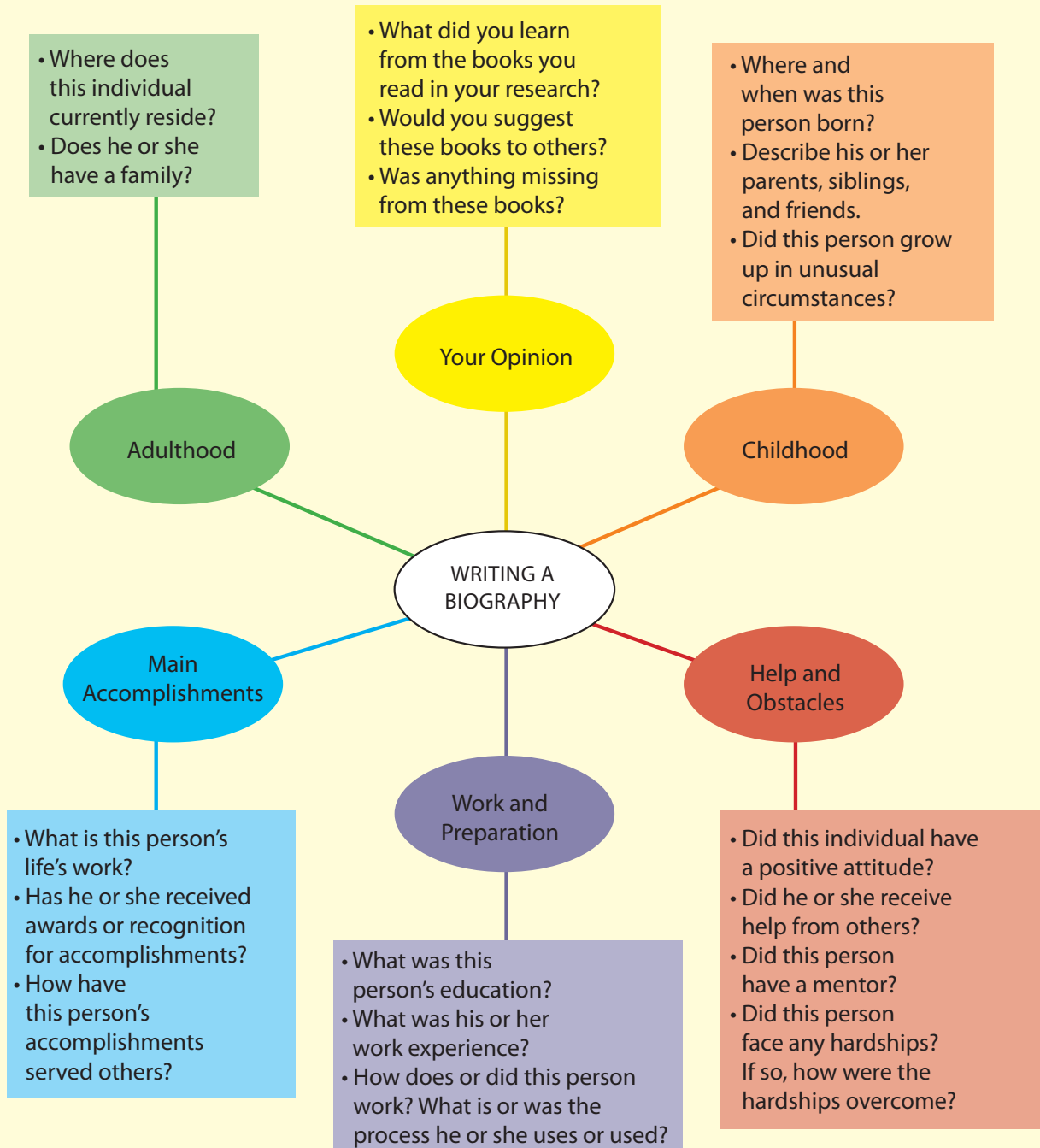


Using the information found in the book, fill in the missing information below.

1. Work may be done when a acts on a moving object.
2. Work is positive if the force points in the same .
3. An engine changes from one form to another.
4. Many power plants burn coal to create .
5. An object's temperature is a measure of how much energy its have.
6. Energy that has to do with motion is called energy.



Many scientists have contributed to the study of energy. Research online, and choose a scientist that you are interested in learning more about. Then, try researching and writing a biography about that person using this concept web as a guide.





Write a Letter

Follow the instructions below to complete the activity.

NAME

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After completing the activity on pages 26–27, write a letter to a friend describing it. The letter should expand on your most important discoveries from the activity. What was the result? Was the activity difficult to do? What did you learn from it?





Quiz

Test your knowledge by answering these quiz questions.

NAME

DATE

1

Can energy be created or destroyed?

2

How does positive work change an object's energy?

3

What type of energy can be used over and over again?

4

What does an engine do to energy?

5

What form of energy is to do with motion?

6

What is energy called when it is stored?

7

Are fossil fuels considered renewable energy?

8

Does it take more energy to ride a bike uphill or downhill?

9

What does an object's temperature measure?

10

How do trucks get energy to move?



Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

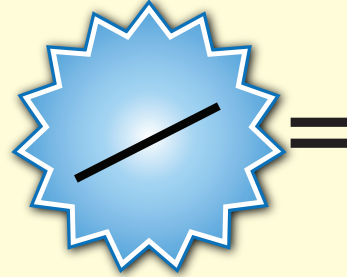
NAME

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KEY WORDS

converts	solar panels
electrons	water mills
fossil fuels	windmills
particles	

Your Score is



%

1.
objects that convert energy from the Sun into electricity

2.
charged particles that can be in atoms or on their own

3.
objects that convert energy from flowing water into another form of energy

4.
objects that convert energy from wind into another form of energy

5.
tiny pieces of matter

6.
changes

7.
energy sources that come from the remains of plants and animals that died long ago





Quiz Answer Key

Compare your quiz answers with the answer key below.

NAME

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- 1** No
- 2** It increases it
- 3** Renewable energy
- 4** Changes its form
- 5** Kinetic energy
- 6** Potential energy
- 7** No
- 8** Uphill
- 9** How much energy its particles have
- 10** They burn gasoline

