

Chapter 7 Practice Test

For questions 1 to 8, write the term from column B that matches the description in column A.

A	B
<p>1. This uses controlled nuclear reactions to generate electric energy: _____</p>	<p>a) geothermal energy</p>
<p>2. This uses flowing water to generate electric energy: _____</p>	<p>b) hydroelectric power</p>
<p>3. These devices collect and change solar energy into electric energy: _____</p>	<p>c) one megawatt (MW)</p>
<p>4. This form of energy cannot be replaced quickly: _____</p>	<p>d) non-renewable energy</p>
<p>5. This is the compressed remains of ancient plants and animals: _____</p>	<p>e) fossil fuels</p>
<p>6. One million watts: _____</p>	<p>f) electric generators</p>
<p>7. These devices convert movement into electric energy: _____</p>	<p>g) turbines</p>
<p>8. This is heat from deep inside Earth: _____</p>	<p>h) nuclear power</p>

9. Decide whether each of the following statements is true or false. If it is false, rewrite it to make it true.

a) **True/False** An advantage of wind power is that it produces greenhouse gases.

b) **True/False** Solar farms use heat from sunlight to create steam in order to turn a turbine.

Name: _____

Date: _____

c) True/False Burning natural gas produces smog.

d) True/False Power stations mainly supply electric energy to remote areas with small communities.

10. Describe one way to turn the turbines in an electric generator

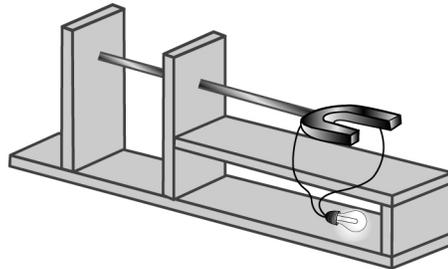
- using renewable energy

a) _____

- using non-renewable energy

b) _____

11. Complete the drawing of an electric generator by adding the missing parts. Then, label the turbine, shaft, wire coil, and magnet.



12. What are two advantages and one disadvantage of using nuclear power?

Advantages: _____

Disadvantage: _____

13. a) In your opinion, what is one of the best ways that Ontario can meet its future demand for electric energy?

b) Give one point supporting your opinion.
