

Name:

Class:

Date:

## Lesson 7.6: Power Systems

### Lesson Review

Carefully study the lesson and then answer the following questions.

Match the power system term to the definition.

- A. Combined systems
- B. Electrical systems
- C. Hydraulic systems
- D. Mechanical systems
- E. Power
- F. Power systems
- G. Pneumatic systems
- H. Work

1. The rate of energy use (7.6.1)

Answer:

2. Systems that harness, convert, transmit, and control energy to perform work (7.6.2)

Answer:

3. Application of force over distance (7.6.1)

Answer:

4. Systems that use more than one type of power system to accomplish a task (7.6.2)

Answer:

5. Systems that use fluid to do work (7.6.2)

Answer:

6. Systems that use a network of electrical components to supply, convert, and use electric power (7.6.2)

Answer:

7. Systems that manage power involving force and movement (7.6.2)

Answer:

8. Systems that use pressurized air or gas to do work (7.6.2)

Answer:

*For each of the applications listed below, list one way in which power, structural, and technical systems are used. (7.6.6)*

9. Agronomy

Answer:

10. Horticulture

Answer:

11. Nursery and landscaping

Answer:

12. Livestock production

Answer:

13. Forestry

Answer:

14. Aquaculture

Answer:

15. What are the factors that will dictate the type and size of the backup system for agricultural operations? (7.6.7)

Answer:

### **Critical Thinking**

1. Which type of power system do you think is most important to agriculture as a whole? Explain why you think this type of power system is most important. (7.6.0)

Answer: