

CHAPTER 12 ENERGY RESOURCES EXAM REVIEW

12-1 What is Energy?

Define:

1. Energy
2. Kinetic energy – ***define and give the formula***
3. Potential energy
4. Elastic potential energy
5. Gravitational potential energy
6. Mechanical energy

Other forms of energy

Define and **give an example** of each.

7. Thermal energy
8. Chemical energy
9. Electrical energy
10. Sound energy
11. Light energy
12. Nuclear energy

12-2 Energy Conversions

Facts to know:

All energy conversions produce thermal energy.

The amount of thermal energy is determined by the motion of the object's particles.

13. Define energy conversion
14. List the energy conversion that occur in a battery operated ipod.

12-3 Conservation of Energy

Define :

15. Friction:
16. Law of conservation of energy

12-4 Energy Resources

Define:

17. Nonrenewable resources

18. Fossil fuels

19. List three fossil fuels on p. 365 Figure 2.

- a.
- b.
- c.

20. List three renewable resources p. 366-367

- a.
- b.
- c.

CHAPTER 13 SECTION 2 WHAT IS HEAT?

1. Define the three types of energy transfer and give two examples of each.

- a. Conduction
- b. Convection
- c. Radiation

Write the chemical formula for photosynthesis:

_____ + _____ + _____ + _____ yields _____
+ _____