**Energy from the Sun**

**Use pages 362-371 to complete this worksheet.**

1. In what form does energy travel from the sun?
2. Direct transfer of energy from the sun is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Radiation is classified by its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. What are the three forms of Radiation?

a.

b.

c.

1. Which form of radiation is heat?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which form of radiation burns your skin?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Which form of radiation is a mixture of all the colors of the rainbow?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Draw and color the Radiation Spectrum on page.363

Look at the picture on page 364 to answer the following two questions

1. What is Solar Energy?
2. Name three things that can happen to this energy as it approaches or hits earth.

a.

b.

c.

1. Explain the Greenhouse effect. Is it a good thing or bad thing for the Earth?
2. Name the three ways that heat is transferred (p. 368-369)

a.

b.

c.

13. Explain how all three work together to heat the atmosphere (troposphere)