

## Review 2 for Final Test

### 1. Choose a suitable word for each sentence:

- 1) Without constant light energy from the sun, Earth would be a (dead / green) planet.
- 2) Some animals give off light called **bioluminescence**. This light is a result of (chemical / physical) reactions inside the animal's body.



### 2. **Visible spectrum** is the light energy that we can see.

Order the colors of the visible spectrum:

Red      Blue      Yellow      Green      Violet      Orange

1 – Red    2 - \_\_\_\_\_    3- \_\_\_\_\_    4- \_\_\_\_\_    5- \_\_\_\_\_    6- \_\_\_\_\_

### 3. Fill in the gaps:

violet      prism      waves      white

- 1) A lamp or the sun give off white light. The \_\_\_\_\_ light is a blend of other colors.
- 2) Light travels in form of \_\_\_\_\_. \_\_\_\_\_ color has the highest frequency and the shortest wavelength.
- 3) A piece of glass called a \_\_\_\_\_ separates white light into its different wavelengths. It lets you see the colors.

### 4.



1. Prism: \_\_\_\_\_
2. Lake: \_\_\_\_\_
3. Pencil: \_\_\_\_\_

**Refraction**

**Reflection**

**Absorption**

### 5. Match the definitions:

Reflection	happens when light changes its speed and bends.
Refraction	occurs when an object takes in a light wave.
Absorption	occurs when light rays bounce off from a surface.

### 6. Convection      Radiation      Friction      Conduction



### 7. Match:

- |  |            |
|--|------------|
| 1) The transfer of thermal energy between matter of different temperatures is    | Friction   |
| 2) When two surfaces rub together is   | Convection |
| 3) The transfer of heat when one thing touches another is                        | Heat       |
| 4) The transfer of thermal energy as a gas or a liquid moves from place to place | Conduction |
| 5) Energy that is sent out in waves  | Radiation  |

### 8. Order the steps of the conduction process:

- ☐ Soon, thermal energy from the oatmeal moves throughout the spoon.
- ☐ The particles of the spoon that touch the oatmeal start to move.
- ☐ The heat transfer continues until the oatmeal and the spoon are at the same temperature.
- ☐ As they move, they crash into other particles of the spoon.

