

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

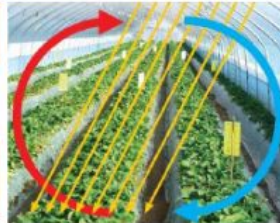
Reflection

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.*

