

Name: _____

Date: _____

For the Following Materials **Investigate** Which Absorbs More Solar Radiation?

Absorbs the Most Solar Radiation - 10

Tree Trunk	
Metal Fence	
Grass	
Rocks	
Sidewalk	
Tree Leaf	
Stucco Building	
Bricks	
Asphalt	
Rubber Coated Benches	

Absorbs the Least Solar Radiation - 1

1. Which material absorbs the most solar radiation? Why do you think this is the case?

2. Which material absorbs the least solar radiation? Why do you think this is the case?

3. After watching the cooking demonstration, what type of heat transfer allowed us to cook without an open flame? Why?

4. In Earth's atmosphere solar radiation is _____ by the ionosphere, causing the temperature of the _____ to increase with altitude.

5. In Earth's atmosphere, solar radiation is _____ by the ozone layer, causing the temperature of the _____ to increase with altitude.

6. Clouds both _____ and _____ solar radiation.

7. What is the difference between investigation & experimentation?

8. Why is the Earth unevenly heated?

9. _____ currents are the driving force behind the major atmospheric, hydrologic, and geologic processes on Earth.

10. What was the temperature outside during your class period? _____

Feedback:

Did you Enjoy this Activity? (Circle One) YES NO

Why?