

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Team Name: \_\_\_\_\_

## Capturing the Sun's Warmth Worksheet

1. **Prediction:** Circle the material that you predict will be the best thermal mass (stores solar energy the best).

SAND

SALT

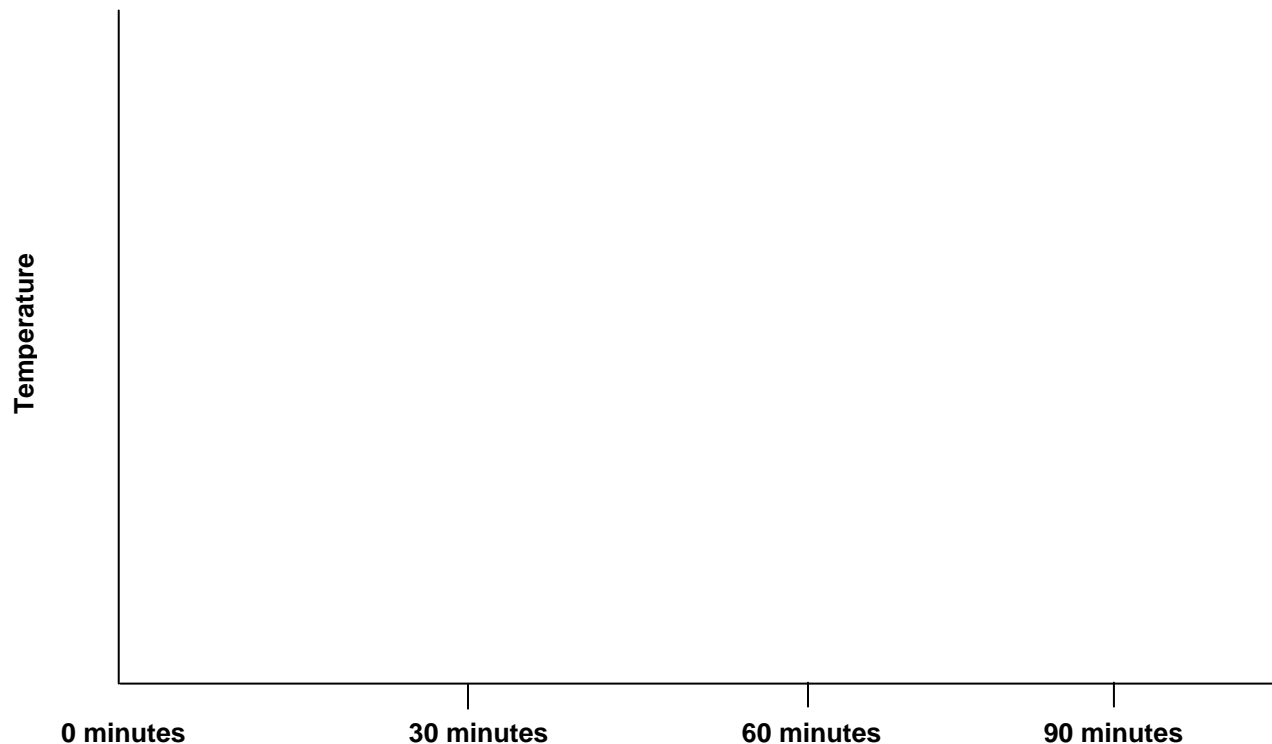
WATER

PAPER

2. In the table below, record your test material temperature data.

	Initial Temperature	Temperature at 30 minutes	Temperature at 60 minutes	Temperature at 90 minutes
Sand				
Salt				
Water				
Paper				
Outside air				

3. In the space below, make a line graph for each test material, showing the temperature change over time.



4. Which test material stored solar energy the best? \_\_\_\_\_

5. Which material lost its heat the fastest? \_\_\_\_\_ The slowest? \_\_\_\_\_