

Observations:

Look at each of the surfaces and predict how well they will reflect light. Then, test each and record your results.

1 = Best Reflector

7 = Worst Reflector

Surface	Predicted Rank	Actual Rank	Notes

Discussion:

1. What did you discover by doing this experiment?

A light surface reflects light better than a dark surface. Shiny surfaces reflect light well. A smooth surface reflects light straight, a non-smooth surface reflects light on an angle.

2. What was the difference between the reflections of flat aluminum foil and wrinkled aluminum foil?

The wrinkled piece of aluminum reflected the light in a pattern, where as the flat aluminum reflected the light straight.

3. Why do we paint yellow lines on our black roads?

The yellow lines reflect light, where as the black road does not. This way at night we can see where the lanes in the road are because the headlights reflect off of the lines.