Name: _____ Date: _____

GENIUSCHALLENGE

WAVE REFLECTION, ABSORPTION, AND TRANSMITTANCE

1. What three properties do all waves have?

_____

2. What makes sound waves different from light waves?

_____

3. What does it mean for a wave to be reflected?

_____

4. What happens to a wave when the energy is absorbed?

_____

5. Give an example of a sound wave being transmitted.

_____

6. What is the difference between high amplitude and low amplitude sound waves?

_____

7. Why do you see the green color on a leaf?

_____

8. How is the frequency of a wave measured?

_____

9. What two properties of a light wave make color?

_____

10. What is the relationship between the pitch and frequency of a sound wave?

_____