

Wave Energy Essential Review

1. Describe the 6 wave interactions: (pictures may help)
 - a. Reflection
 - b. Refraction
 - c. Diffraction
 - d. Constructive interference
 - e. Destructive interference
 - f. Resonance
2. What is a medium?
3. Which Waves require a medium? Which don't?
4. Give an example of a mechanical wave
5. What is the relationship between wavelength and frequency?

6. How do you calculate wave speed?
7. What is a Hertz (Hz) and how can you calculate them?
8. Draw two Transverse waves and label all parts and tell which one has the largest amplitude.
9. Draw a longitudinal wave and label the parts