



UP AND DOWN, SIDE TO SIDE



QUIZ

1. Which of the following cannot be transferred from one place to another by a wave?

- a) energy b) information c) particles of a substance

2. Which type of wave can travel through a vacuum?

- a) sound waves b) light waves c) seismic waves

3. Which type of wave has vibrations perpendicular to direction that the energy goes?

- a) transverse waves b) longitudinal waves c) neither transverse nor longitudinal waves

4. What word describes the parts of a longitudinal wave where particles are furthest apart?

- a) rarefactions b) compressions c) peaks

5. The time taken for one complete vibration of a particle in a wave is called what?

- a) frequency b) wavelength c) period

6. The distance between the centre of a particle's vibration and the peak of a transverse wave is known as what?

- a) wavelength b) frequency c) amplitude

7. Multiplying a wave's wavelength by its frequency gives which property of a wave?

- a) amplitude b) speed c) period

8. How would increasing the frequency of a sound affect how you hear it?

- a) it would have higher pitch b) it would have lower pitch c) it would have louder volume

9. What word describes how waves bounce off of a substance if it cannot absorb or transmit them?

- a) refraction b) reflection c) diffraction

10. What word describes the phenomena whereby the path of a wave bends due to going through the boundary of a different medium?

- a) refraction b) reflection c) diffraction

ANSWERS
1) C 2) B 3) A 4) A 5) C
6) C 7) B 8) A 9) B 10) A

