

Physics 11 Waves and Sound Test - June, 2003

1. The bending of waves as they go around an object is called a
 - (a) diffraction
 - (b) reflection
 - (c) refraction
 - (d) superposition

2. A pulse goes from a medium into another that is more dense. The reflected pulse is b
 - (a) faster
 - (b) inverted
 - (c) larger
 - (d) upright

3. If the speed of a wave increases when it passes into a new medium, the wavelength b
 - (a) decreases
 - (b) increases
 - (c) stays the same
 - (d) disappears

4. The speed of sound in air at 18°C is b
 - (a) 331.5 m/s
 - (b) 338.7 m/s
 - (c) 343.5 m/s
 - (d) 351.5 m/s

5. The overtones present in an open air column consist of a
 - (a) all of the harmonics
 - (b) only the even harmonics
 - (c) only the odd harmonics
 - (d) none of the harmonics

6. The overtones present in a closed air column consist of c
 - (a) all of the harmonics
 - (b) only the even harmonics
 - (c) only the odd harmonics
 - (d) none of the harmonics