**1.3.4. Exercises**

**1**. Complete each of the following sentences by choosing the correct term from the word bank:

loudness, pitch, sound quality, echoes, intensity and noise

A. The ------------ of a sound wave depends on its amplitude

B. Reflected sound waves are called ------*-------*--------------

C. Two different instruments playing the same note sound different because of ----*---------*-----

**2.** A boy whistles a sound with the power of 0.5×10−4 *W* . What will be his sound intensity at a distance of 5m?

**3**. Calculate the intensity level equivalent to an intensity 1 nW/m2

**4.** If the statement is true, write true. If it is false, change the underlined word or words to make the statement true.

1. A. Intensity is mass per unit volume.
2. B. Loudness is how the ear perceives frequency.

C. Music is a set of notes that are pleasing.