



Subject: Grade 4 Natural Sciences

Topic: Sound pollution

Total: 32 Marks

1. rupture | rupture.

3 marks

Explanation:

Look at the picture. Find the hole in the eardrum. This is what happens when the eardrum **ruptures**.

2. decibels | decibells

3 marks

Explanation:

How soft or how loud a sound is, is measured in decibels.

3. B: audiologist

4 marks

Explanation:

An **audiologist** tests hearing and fits hearing aids for people who have hearing loss.

4. C: wearing earmuffs

4 marks

Explanation:

A jackhammer is necessary for road repairs. However, if the jackhammer is used for too long or if the sound it makes is too loud, it can damage one's ears. This is sound or noise pollution.

It is wise for someone working with a jackhammer to wear earmuffs to protect his hearing.

5. Hearing aids | louder

4 marks

Explanation:

A **hearing aid** is a small machine that fits behind the ear or inside the ear and makes the sound louder.

6. cause damage over time | earmuffs

4 marks

Explanation:

The constant, loud noises in a factory will cause damage to the factory workers' hearing over time if they do not wear earmuffs.

7. true

2 marks

Explanation:

Happy sounds, eg. fireworks, can also be sound pollution. If it explodes close to you, it can damage your ears.

8. true

2 marks

Explanation:

Sound or noise pollution can be annoying sounds or noises that affect your sleep. Not enough sleep can affect your health.

9. false

2 marks

Explanation:

Dynamite exploding will cause **permanent** damage to your hearing.

10. C: playing your music so that people outside can hear it

4 marks

Explanation:

Remember that not everyone enjoys your kind of music. By playing it so loudly that people outside can hear it, you are causing sound or noise pollution.

Total: 32 Marks