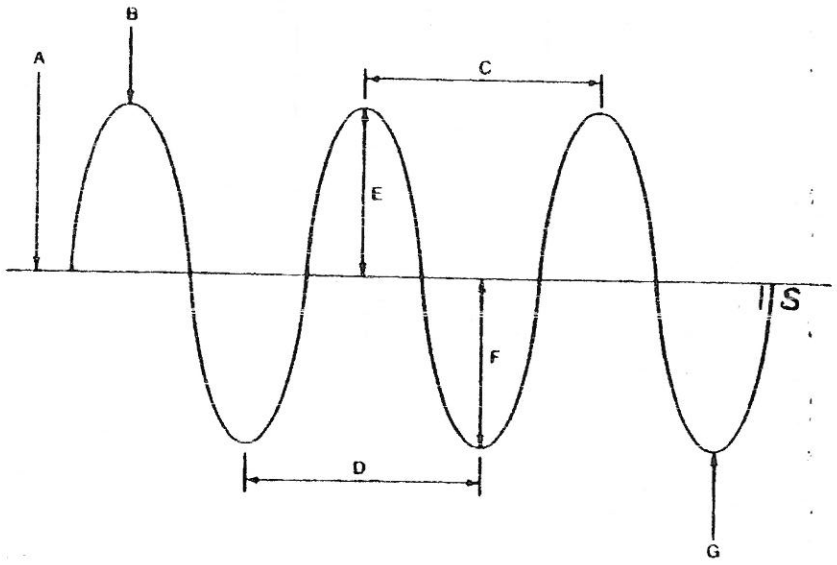
Score 23

Name _____ Date _____ Block _____

Activity — Characteristics of Waves — CHAPTER 1

Wave Characteristics



8

A _____ D _____ G _____

B _____ E _____ Frequency of wave _____

C _____ F _____

Use the words:

- rest position
- crest
- wavelength
- amplitude
- trough

Activity — Sound and Its Uses — CHAPTER 2

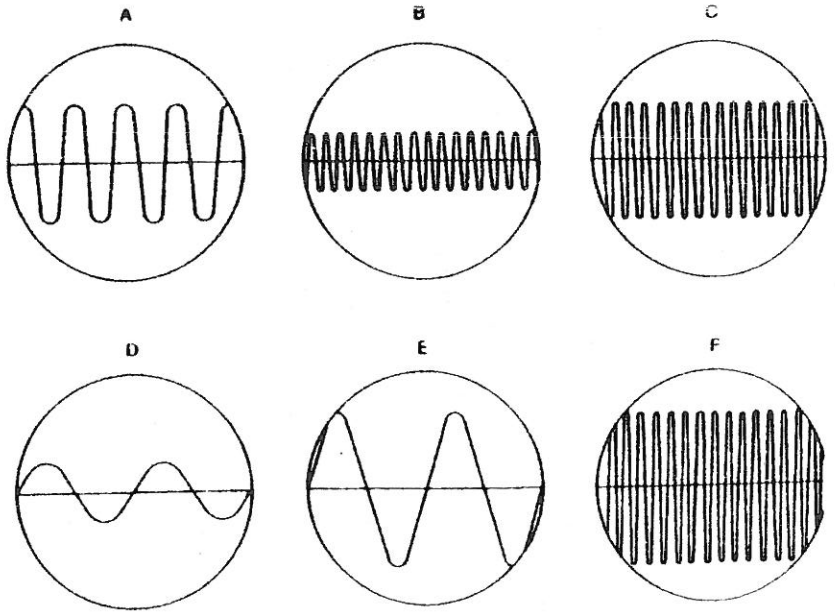
Name That Sound

Sounds can often be described by their loudness and their pitch. The pitch of a sound depends upon its frequency. The loudness depends upon its amplitude. Match the description of each sound given in the list below with the diagram of that sound by placing the letter of the diagram in the space provided next to the description.

6

A sound that is

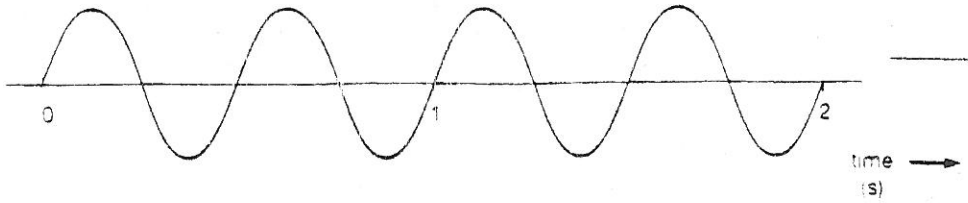
- loud and low-pitched _____
- loud and high-pitched _____
- soft and high-pitched _____
- soft and low-pitched _____
- medium-loud and high-pitched _____
- medium-loud and medium-pitched _____



Name _____

2. Determine the frequency of each wave in Hertz (per second)

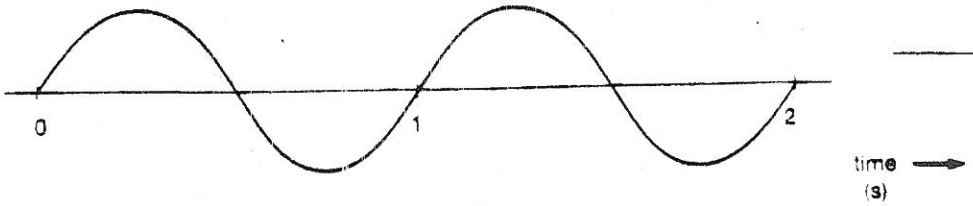
A



_____ Hz

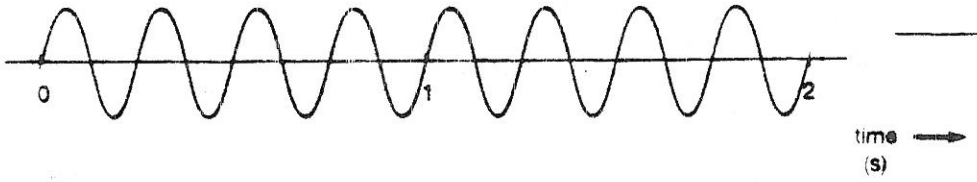
3

B



_____ Hz

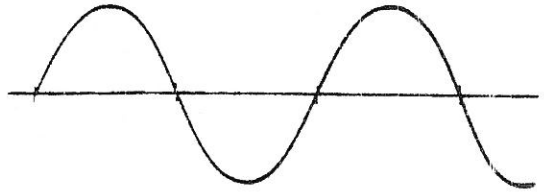
C



_____ Hz

3. Use a ruler to determine the wavelength of each wave. Also find the amplitude for each.

A

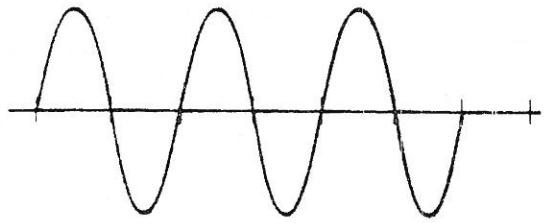


W: _____ cm

A: _____ cm

6

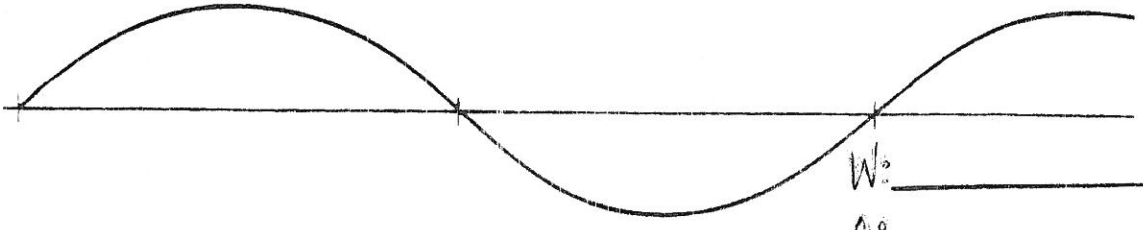
B



W: _____ cm

A: _____ cm

C



W: _____ cm

A: _____ cm