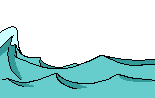
Quiz 4

Characteristics of Waves

Short Answer – Fill in the blanks below with the answer

1. What is a crest?

The highest point of a wave

1. What is the still water level?

The median point between the trough and crest

1. C:\Users\Lac\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\5OGL67YV\MC900432247[1].wmfWhat is the most common cause of waves?

Wind

1. What is the fetch of a wave?

The distance the wind blows

1. What is the duration of a wave?

The length of the gust

1. What is a trough?

The lowest point of the wave

1. What is a wave period?

Measures the size of the wave in time

1. What is a vibration? How is it caused?

A vibration is the back-and-forth motion around a reference

1. How are refraction and diffraction different?

C:\Users\Lac\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7DF2BYXI\MC900030281[1].wmfRefraction is a wave changing speed and diffractions is when a wave meets an obstacle that bends the wave

1. What is a reflection?

When a wave strikes a reflective surface and changes direction

1. What is absorption?

A wave will be absorbed by matter

1. What is dispersion?

When a wave is broken apart into different parts of the electromagnetic spectrum (light waves)

1. What is polarization?

Oscillates in one direction or place

1. What are waves characterized by?

Wavelength, amplitude, speed, and frequency

1. What is a standing wave?

A wave that remains in constant position