

Ocean Waves & Tides

What is a **Wave**:

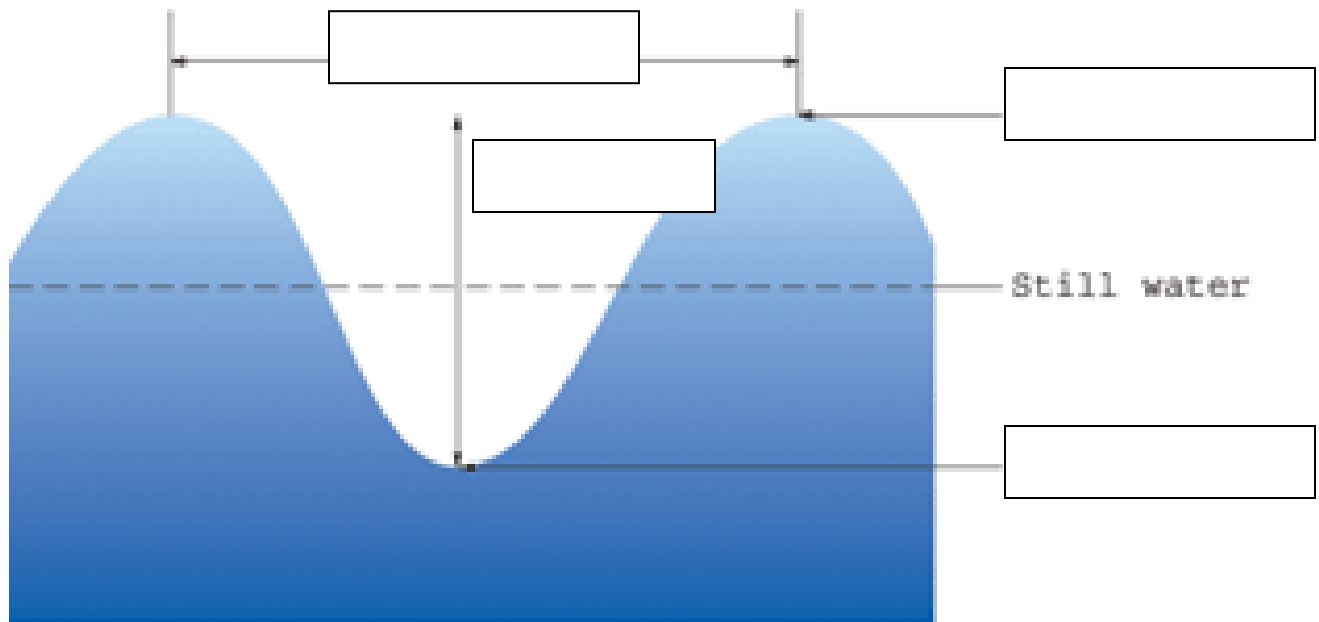
Waves are caused by:

- 1.
- 2.
- 3.

Parts of a Wave:

- a. Crest-
- b. Trough-
- c. Wave height-
- d. Wavelength-
- e. Amplitude-

Label



Wave climate

What 3 things determine how large a wave will get?

Define **Fetch**:

True/False: water molecules move up and down but not forward or backward?

Define **Breaker**:

Tides are caused mainly by _____.

What else causes tides?

- 1.
- 2.
- 3.

Gravitational Effects of the Moon

Two bulges form on the earth

- 1.
- 2.

These bulges follow _____.

Gravitational Effects of the Sun

Spring Tides:

Are formed when:

Neap Tides:

Are formed when:

What causes **Tsunamis**?