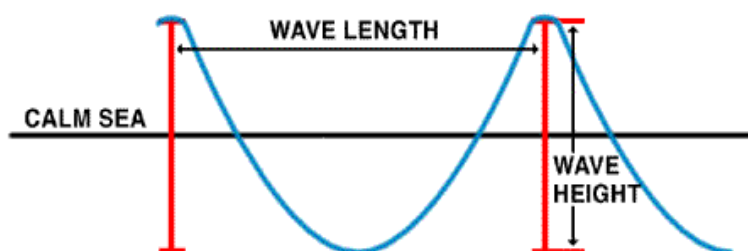




WAVES AND WIND

LEARNER WORKSHEET 2: HOW ARE WAVES MEASURED?

- 1-  Look at the diagram and fill in the blanks in the text with words from the list below



Wave model from www.ndbc.noaa.gov/educate/educate.shtml

The water in the ocean is always ----. Waves are one movement of the ocean----.

They are caused by the----. The ----of these waves depends on wind----, on the ---- of the wind and on the----. It is measured from the wave ----to the wave----. The wave ----is defined as the horizontal distance between two successive----.

Water; moving; height; waves; length; crest ; troughs; wind ; duration; fetch; speed

Answer sheet

The water in the ocean is always **moving**. Waves are one movement of the ocean **water**. They are caused by the **wind**. The **height** of these waves depends on wind **speed**, on the **duration** of the wind and on the **fetch**. It is measured from the wave **crest** to the wave **trough**. The wave **length** is defined as the horizontal distance between two successive **waves**.

- 2-  - Create your own ocean wave!

Follow this link and discover the wave machine...

<http://www.pbs.org/wnet/savageseas/multimedia/wavemachine.html>