

Ocean World Wave Quiz

<http://oceanworld.tamu.edu/>

Question 1. Waves are generated in the "fetch" where:

- Wind and water interact
- Ocean depths are greatest
- Earthquakes occur underwater.

Question 2. Waves can be described by their:

- Height
- Wavelength
- Wave period
- All of the above

Question 3. The time it takes for two successive waves to pass a fixed point is called:

- The wavelength
- The wave period
- A swell
- All of the above

Question 4. Wind velocity, wind duration, fetch, and original sea state influence:

- The variety of waves
- The size of waves
- The occurrence of tsunamis
- 1 & 2 only

Question 5. How choppy or smooth the water is before the winds arrive is referred to as:

- Deep water waves
- Original sea state
- Fetch
- Wave period

Question 6. A slow moving wind over a long period of time:

- Will create large waves
- Will not create large waves

Question 7. A fast moving puff of wind:

- Will create large waves
- Will not create large waves

Question 8. A fast moving wind over a sustained (long) period of time:

- Will create large waves
- Will not create large waves

Question 9. As waves enter shallow water their:

- Speed decreases
- Wavelength decrease
- Height increases
- All the above

Question 10. Giant waves are caused by:

- Seismic (earthquake & volcanic) activity
- Storm surges
- Sea monsters
- Both 1 & 2

Question 11. Waves are instrumental in shaping:

- Sand bars
- Coastlines
- Dams
- Barrier Reefs

ANSWERS

Question 1. Waves are generated in the "fetch" where:

Answers: Waves are generated in the 'fetch' where wind and water interact.

Question 2. Waves can be described by their:

Answers: Waves can be described by their height, wavelength, and wave period.

Question 3. The time it takes for two successive waves to pass a fixed point is called:

Answers: The time it takes for two successive waves to pass a fixed point is called the wave period.

Question 4. Wind velocity, wind duration, fetch, and original sea state influence:

Answers: Wind velocity, wind duration, fetch, and original sea state influence the variety of waves and the size of waves.

Question 5. How choppy or smooth the water is before the winds arrive is referred to as:

Answers: How choppy or smooth the water is before the winds arrive is referred to as the original sea state.

Question 6. A slow moving wind over a long period of time:

Answers: A slow moving wind over a long period of time will not create large waves.

Question 7. A fast moving puff of wind:

Answers: A fast moving puff of wind will not create large waves.

Question 8. A fast moving wind over a sustained (long) period of time:

Answers: A fast moving wind over a sustained (long) period of time will create large waves.

Question 9. As waves enter shallow water their:

Answers: As waves enter shallow water their speed decreases, wavelength decrease, and height increases.

Question 10. Giant waves are caused by:

Answers: Giant waves are caused by seismic (earthquake & volcanic) activity and storm surges.

Question 11. Waves are instrumental in shaping:

Answers: Waves are instrumental in shaping coastlines.