

Ocean's Deep – End of Unit Test

1. What happens to water pressure as you go deeper?
 - A – gets less
 - B – gets more
 - C – stays the same
 - D – can vary depending on the ocean.
2. What is the main cause of eutrophication?
 - A – Boat traffic
 - B – Photosynthesis
 - C- Flooding
 - D – Fertilisers
3. Which is NOT a factor which helps to create ocean currents?
 - A – salt
 - B – the Moon
 - C – heat
 - D – wind
4. Why are ocean currents so important?
 - A – They help shipping move around.
 - B – They allow whales and other animals to migrate and hunt for food.
 - C – They distribute heat around the planet.
 - D – They stop the polar ice caps melting.
5. Polar Bears are affected by climate change because:
 - A – Their fur makes them too hot in warmer weather.
 - B - The ice sheets they hunt on are melting
 - C – Warmer weather means germs that kill them are more widespread
 - D – All of the above.
6. Which best describes what happens to crude oil when it floods into the ocean?
 - A – It sinks to the bottom.
 - B – It mixes evenly throughout the water
 - C – The waves break it up
 - D – It floats and quickly spreads out as a slick.

7. Eutrophication is less likely to happen in areas that:
- A – have lots of fish
 - B – have algae blooms
 - C – are surrounded by fertilised land
 - D – are not surrounded by fertilised land.
8. What is hypoxia?
- A – a lack of oxygen in the body
 - B – too much oxygen in the body
 - C – too much carbon dioxide in the body
 - D – none of the above.
9. What is the name of the force that makes you feel lighter in water?
- A – centripetal force
 - B – Gravity
 - C – Buoyant force
 - D – Upthrust.
10. Ships are made from iron but they do not sink because:
- A- Iron is less dense than water.
 - B- Iron is more buoyant than water.
 - C- They are filled with air
 - D- They have a large hull.
11. In which states of matter can diffusion occur?
- A – Liquid and solid
 - B – Gas and solid
 - C – Liquid and gas
 - D – Solid, liquid and gas
12. The density of a liquid called glycerol is 1260kg/m^3 . What mass of glycerol would occupy a space of 1m^3 ?
- A – 1260kg
 - B – 126kg
 - C – 12.6kg
 - D – 0.00079kg
13. Which of the following statements is NOT correct about thermohaline currents?
- A – increased salt = increased density of the water.
 - B – increased heat = decreased density of the water
 - C – increased heat = increased saltiness of the water
 - D – increased evaporation = increased saltiness of the water.

14. Which is the main gas that is contributing to climate change?
- A – Carbon dioxide
 - B – Ozone
 - C – Methane
 - D – Sulphur dioxide.
15. Which of the following is not a cause of the diver bends?
- A – Diving too long
 - B – Too little oxygen left in the air tanks
 - C – Diving too deep
 - D – Coming up too fast.
16. A piece of wood will float in water because:
- A – It displaces more water than its weight
 - B – It displaces water equal to its weight.
 - C – It displaces less water than its weight.
 - D – It spreads out the water underneath it.
17. A boat floats on the water and it displaces 20m^3 of water. With what force is the water pushing up on the boat? (Note – gravity is 10m/s^2 and the density of water is 1000 kg/m^3)
- A – 0.02N
 - B – 20000N
 - C – 200000N
 - D – 0.2N
18. What would be the most likely consequence of the Gulf Stream moving south away from the coast of Great Britain?
- A – The climate will become more like Spain
 - B – It will have no effect on our climate
 - C – Bring more rain
 - D – The climate will become a lot colder.

(Please move on to the written response part of the test)