

## BUZZER QUESTIONS

**Question Type:** Toss up

**Category:** Physical

**Question Format:** Multiple Choice

**Question:**

---

What are the two most common ions in seawater?

**Answer W:**

---

K (potassium) and Cl (chloride)

**Answer X:**

---

Na (sodium) and K (potassium)

**Answer Y:**

---

Na (sodium) and bicarbonate

**Answer Z:**

---

Na (sodium) and Cl (chloride)

**Correct:** Z

**Question Type:** Bonus

**Category:** Physical

**Question Format:** Multiple Choice

**Question:**

---

What is the pressure at sea level?

**Answer W:**

---

14.7 lbs/in<sup>2</sup>

**Answer X:**

---

17.4 lbs/in<sup>2</sup>

**Answer Y:**

---

33 lbs/in<sup>2</sup>

**Answer Z:**

---

10 lbs/in<sup>2</sup>

**Correct:** W

**Question Type:** Toss Up  
**Category:** Physical  
**Question Format:** Multiple Choice

**Question:**

---

What term describes the motion of water in the open ocean?

**Answer W:**

---

Hydrological Cycle

**Answer X:**

---

Coriolis Effect

**Answer Y:**

---

Ekman Spiral

**Answer Z:**

---

Fusion

**Correct:** Y

**Question Type:** Bonus  
**Category:** Physical  
**Question Format:** Short Answer

**Question:**

---

What three parameters increase the speed of sound under water?

**Correct:** Pressure, Temperature, Salinity

**Question Type:** Toss up  
**Category:** Physical  
**Question Format:** Multiple Choice

**Question:** \_\_\_\_\_  
What creates wind?

**Answer W:** \_\_\_\_\_  
air pressure

**Answer X:** \_\_\_\_\_  
heating and cooling

**Answer Y:** \_\_\_\_\_  
solar radiation

**Answer Z:** \_\_\_\_\_  
atmospheric pressure differences

**Correct:** Z

**Question Type:** Bonus  
**Category:** Physical  
**Question Format:** Short Answer

**Question:** \_\_\_\_\_  
What is upwelling?

**Correct:** the rising of nutrient-rich water to the surface