

**Exam not valid for Paper Pencil Test Sessions**

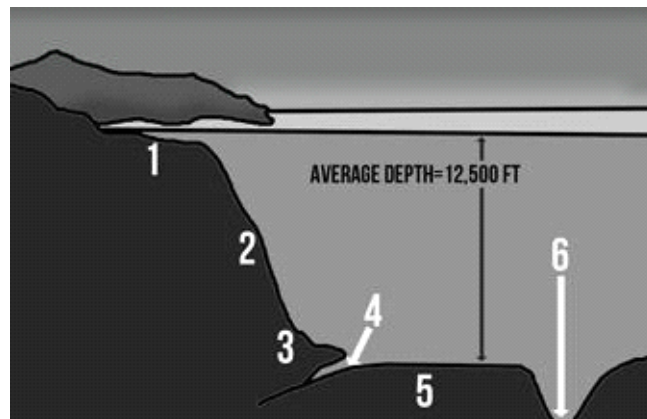
1 **Two children are swimming and jumping in the waves at the beach. On which part of the ocean are they standing?**

- A Abyssal plain
- B Continental shelf
- C Mountain range
- D Continental rise

2 **What part of the ocean connects the continental shelf and the ocean floor?**

- A Abyssal plain
- B Continental wave
- C Continental slope
- D Mountain range

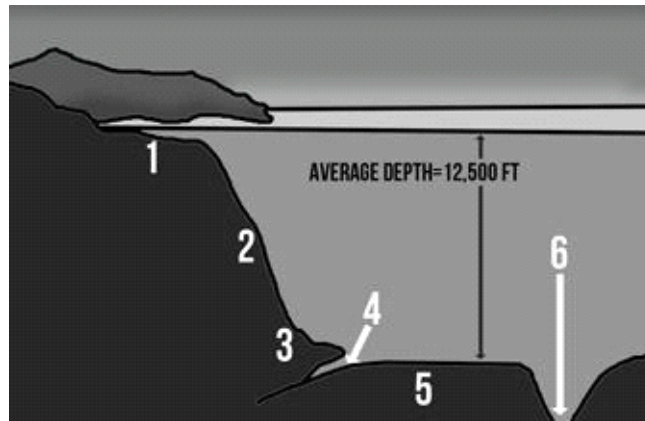
3



**Which section represents the continental slope?**

- A Section 3
- B Section 2
- C Section 4
- D Section 1

4



**Which section represents the abyssal plain?**

- A Section 3
- B Section 5
- C Section 1
- D Section 2

5 **The amount of salt found in water describes the water's —**

- A cleanliness
- B brackishness
- C salinity
- D freshness

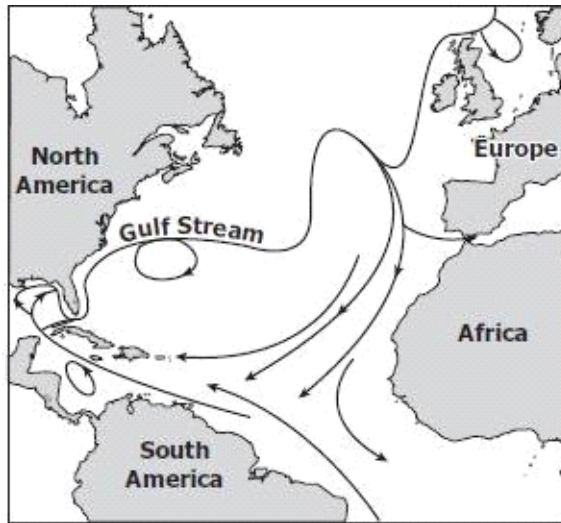
6 **Which of the following is NOT a cause of ocean currents?**

- A Water and air pollution
- B Wind directions
- C Differences in salinity
- D Temperature changes

7 **Water in most rivers and lakes is —**

- A brackish water
- B salt water
- C spring water
- D fresh water

8



**What do the arrows on the map represent?**

- A Water density
  - B Size of waves
  - C Time between tides
  - D Ocean currents
- 9 **Most ocean life exists in —**
- A the coral reefs
  - B the volcanic islands
  - C the cold, dark abyssal zone
  - D the upper layer of the oceans
- 10 **Submarines have explored many parts of the ocean. As submarines descend, scientists observe that there is an increase in the —**
- A water pressure
  - B water temperature
  - C types of ocean organisms
  - D amount of light
- 11 **Producers that live in ecosystems near the ocean's surface receive their energy from —**
- A sea animals
  - B sunlight
  - C salt
  - D chemical reactions

12 **Which item is a producer in an ocean food chain?**

- A Anchovy
- B Shark
- C Bristle worm
- D Phytoplankton

13

Fast Swimmers	
Fish	Speed
Sailfish	60 miles per hour
Yellowfish Tuna	46 miles per hour
Bluefin Tuna	43 miles per hour
Flying Fish	40 miles per hour
Dolphin	37 miles per hour
Trout	15 miles per hour

**Which fish is the fastest swimmer?**

- A Yellowfish tuna
- B Sailfish
- C Bluefin tuna
- D Flying fish

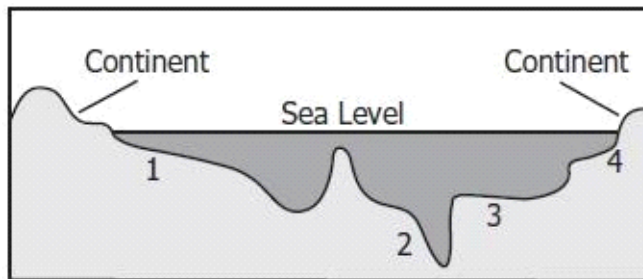
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OCEAN SIZES	
Ocean	Millions of Square Miles
Pacific	63.8
Atlantic	31.7
Indian	28.3
Arctic	10.6

**Analyze the Ocean Sizes chart. Which is the smallest ocean?**

- A Indian
- B Arctic
- C Atlantic
- D Pacific

15



**Which location is likely to have the greatest water pressure, the coldest temperatures, and the smallest number of living organisms?**

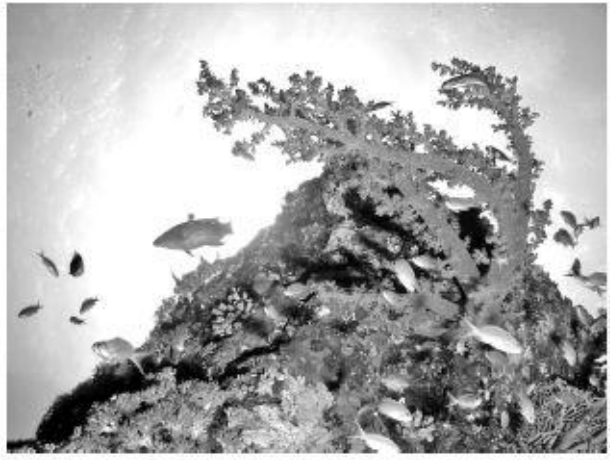
- A 3
- B 1
- C 2
- D 4

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Fast Swimmers	
Fish	Speed
Sailfish	60 miles per hour
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**What information can be learned from the chart?**

- A Bluefin Tuna swim faster than Yellowfin Tuna.
- B All tuna fish in the ocean swim slowly.
- C Yellowfin Tuna swim faster than Bluefin Tuna.
- D Yellowfin Tuna swim faster than Sailfish



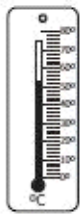
**Part of a coral reef is shown. A coral reef is —**

- A a rock
- B an underwater cave
- C an ocean current
- D an ecosystem

**18 Which of these is *not* considered ocean pollution?**

- A Chemical runoff
- B Oil spills
- C Dumping garbage
- D Artificial reefs

**19**



Thermometer



Centimeter ruler



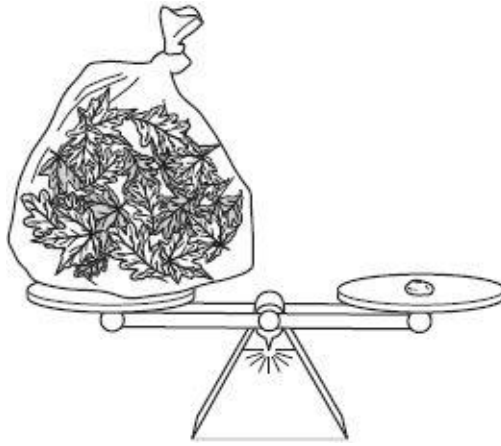
Pan balance



Calendar

**Juan is doing an experiment to see how long it takes an acorn to grow into a 0.5-meter-tall oak tree. Which two instruments should he choose?**

- A Thermometer and calendar
- B Thermometer and centimeter ruler
- C Centimeter ruler and calendar
- D Centimeter ruler and pan balance



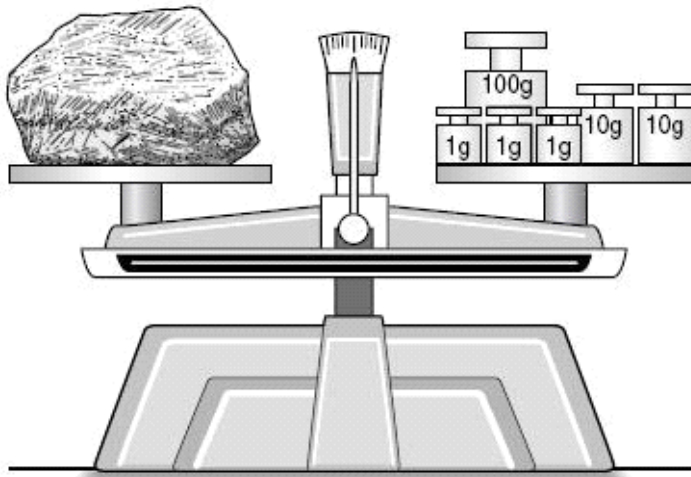
**Based on the picture, the bag of leaves has —**

- A less mass than the pebble
- B the same mass as the pebble
- C less volume than the pebble
- D the same volume as the pebble

**21 A boy is measuring the length of a room. Which instrument will he use?**

- A Balance scale
- B Meter stick
- C Thermometer
- D Graduated cylinder

**22**



**Which of these is the *most* accurate reading of the mass of the rock on the balance scale pictured?**

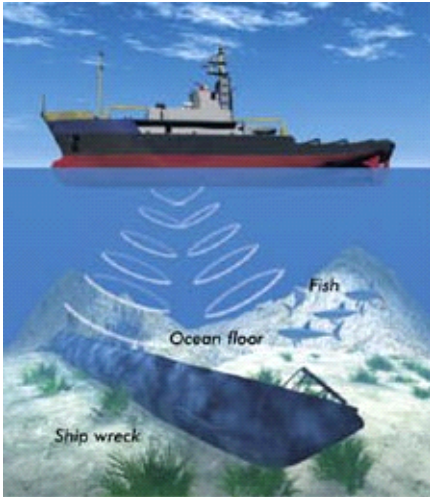
- A 120.3 g
- B 33 g
- C 123 g
- D 303 g

- 23 **Which of these are the deepest parts of the ocean?**
- A Continental slopes
  - B Ocean trenches
  - C Continental shelves
  - D Abyssal plains
- 24 **Algae in the ocean provide much of Earth's —**
- A oxygen
  - B carbon dioxide
  - C nitrogen
  - D hydrogen
- 25 **Which *best* describes the part of the ocean called the continental shelf?**
- A A flat underwater valley
  - B A region of mountains in the deep ocean
  - C A shallow area of sediment near the shore
  - D A region with a higher water pressure
- 26 **The main difference between ocean water and lake water is that ocean water contains —**
- A plants
  - B salt
  - C algae
  - D oxygen



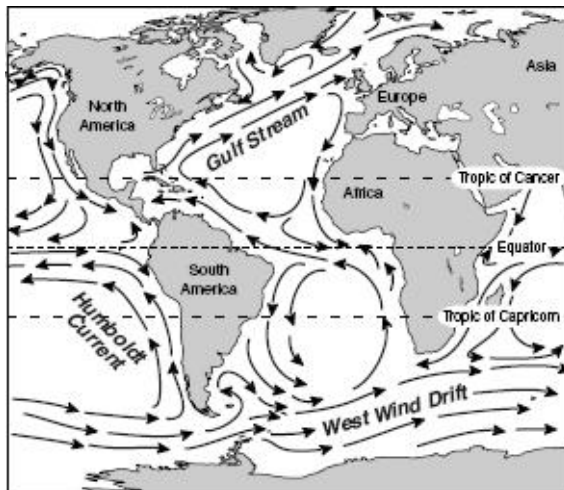
27 Directions: Type your answer in the box.

**waves**



**A shipwrecked vessel has been located by the Coast Guard ship's SONAR device. The distance the SONAR "ping" traveled through the ocean water was 4,600 meters. Does this device use sound waves or light waves?**

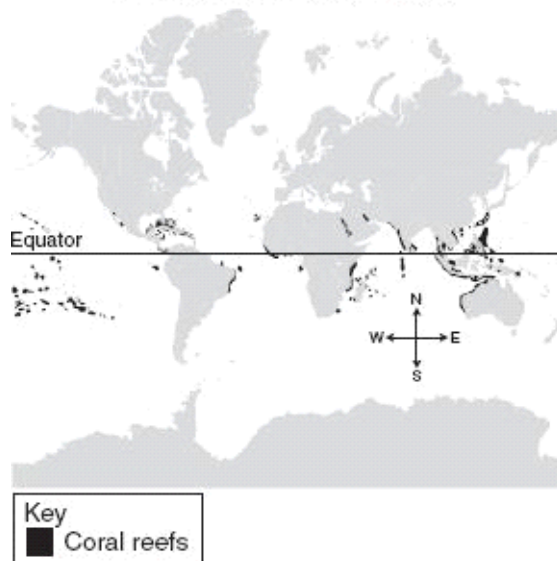
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**Sailors long ago would catch the current off the coast of Virginia. This current would help them get to —**

- A Europe
- B South America
- C Central America
- D Southern Africa

## Location of Coral Reefs



**Many species of ocean organisms live in coral reefs. The map shows that most coral reefs are found near the equator. What does the location of coral reefs suggest about coral organisms?**

- A Corals mostly live around volcanic islands.
- B Ocean currents keep corals from migrating.
- C Most ocean waters are too deep for corals.
- D Corals need warm seawater to survive.

30 Directions: Click on each answer you want to select. You must select all the correct answers.

**The basic motions of the ocean are —**

tides
waves
hurricanes
trade winds
currents