

Maggie

Marine Mapping Exercise

Indicate the following features on the world map (see other side).

Latitude & Longitude (please use a ruler for these!)

Equator (0° latitude)

Prime Meridian (0° longitude)

(Northern) → Tropic of Cancer (latitude = 23°)

(Southern) → Tropic of Capricorn (latitude = 23°)

ITCZ: Intertropical
Convergence Zone

Doldrums (latitude = $3^{\circ} \sim 10^{\circ}$ S)

Horse latitudes

(latitude = 30°)

subtropical ridges/highs.

Oceans

Atlantic Ocean ✓

Pacific Ocean ✓

Southern Ocean ✓

Indian Ocean ✓

Arctic Ocean ✓

Which ocean has the greatest volume and area? Pacific

Which ocean has the smallest volume and area? Arctic

Seas

Mediterranean Sea ✓

Red Sea ✓

South China Sea ✓

Persian Gulf ✓

Caribbean Sea ✓

Gulf of Mexico ✓

Baltic Sea ✓

Hudson Bay ✓

Bay of Bengal ✓

Coral Sea ✓

Tasman Sea ✓

Chukchi Sea ✓

Beaufort Sea ✓

Gulf of Alaska ✓

Arabian Sea ✓

Weddell Sea ✓

Ross Sea ✓

North Sea ✓

Sargasso Sea

Black Sea ✓

Yellow Sea ✓

Major oceanic currents (use an arrow to indicate direction of flow for each current):

Gulf Stream

Labrador Current

North Atlantic Current

North Pacific Current

East Australian Current (the EAC!)

Canary Current

North & South Equatorial Currents

California Current

Peru Current

Kuroshio

Antarctic Circumpolar Current

Benguela Current

Brazil Current

Equatorial Countercurrents

Other significant features:

Mid-Atlantic Ridge

Mariana Trench

East Pacific Rise

Great Barrier Reef

Additional features to add to your map

What is the deepest point in the ocean? 10,994 meters

What is this location called? Challenger Deep

What is the largest island in the world? Greenland

What is the largest tidal range in the world? 16.5 meters

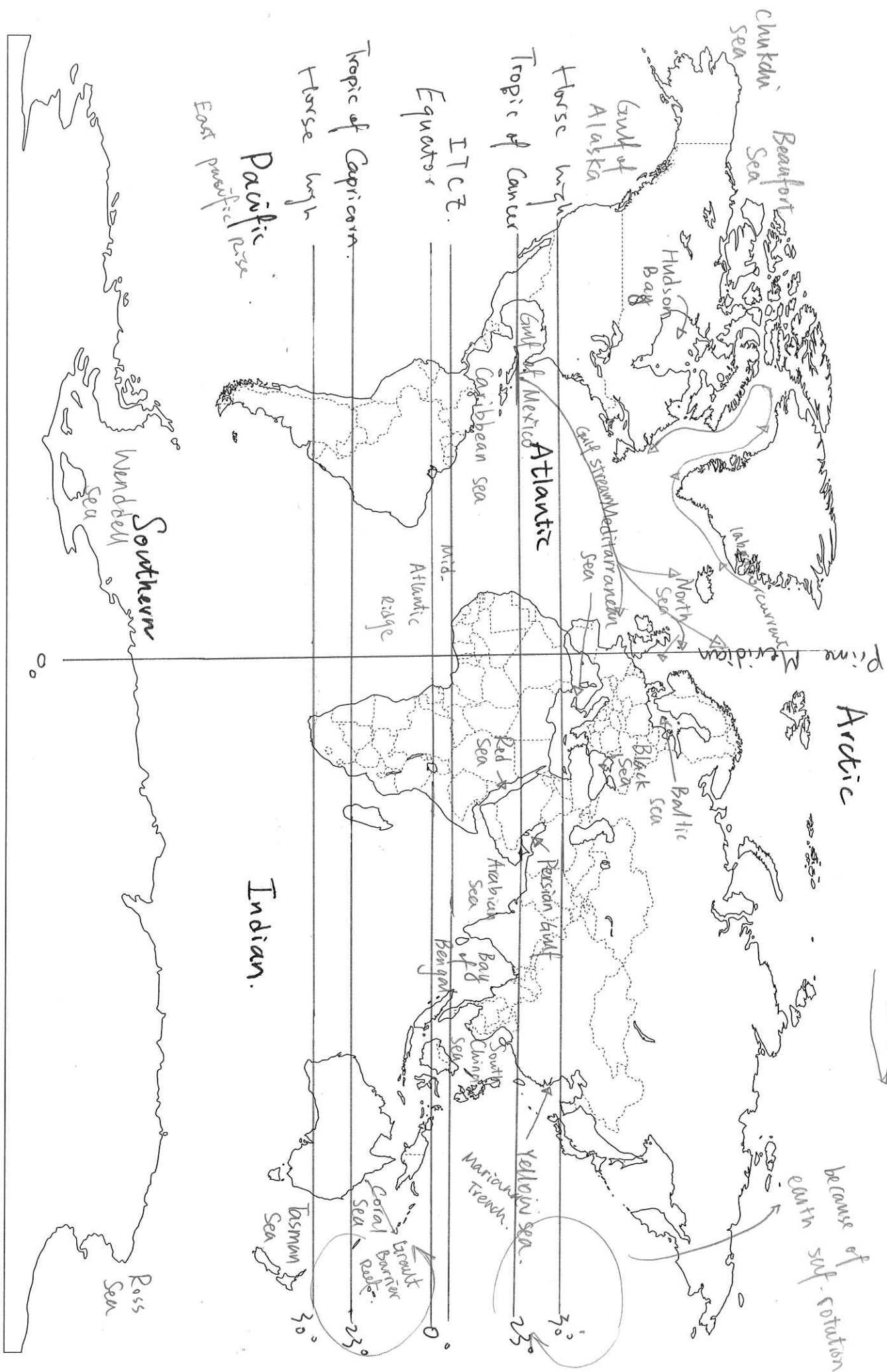
Where does this occur? Bay of Fundy

Where is the seawater the hottest? Persian Gulf

And what is the temperature? 32°C

rotation

because of
earth's rotation



spicy Ruiguan