

Multiple Choice: Review of Coastal Upwelling

Directions: Answer the multiple choice questions.

Questions

1. Coastal upwelling takes place when
water warms in the Pacific and moves west toward the shores
the Coriolis effect drives surface water away from the shores
cold surface water sinks downward at the poles
2. During an El Nino year, warm water
builds up along the west coast of South America
moves away from the western coast of South America
builds up in the North Atlantic
3. Why is coastal upwelling important to the economy?
supports productive fisheries
moderates the climate
helps ships travel faster
4. Why are areas of coastal upwelling rich in animal life?
they receive extra sunlight
they are disease-free
they receive nutrient-rich water from the deep ocean
5. Areas of ancient coastal upwelling now produce
gold
oil
coal

Answers

1. the Coriolis effect drives surface water away from the shores

The Coriolis effect directly affects coastal upwelling because it drives surface water away from the shores.

2. builds up along the west coast of South America

Warm water builds up along the west coast of South America during an El Nino year.

3. supports productive fisheries

Coastal upwelling supports productive fisheries.

4. they receive nutrient-rich water from the deep ocean

The areas of coastal upwelling contain rich animal life because they receive nutrient-rich water from deep in the ocean.

5. coal

Ancient coastal upwelling areas are a source of coal.