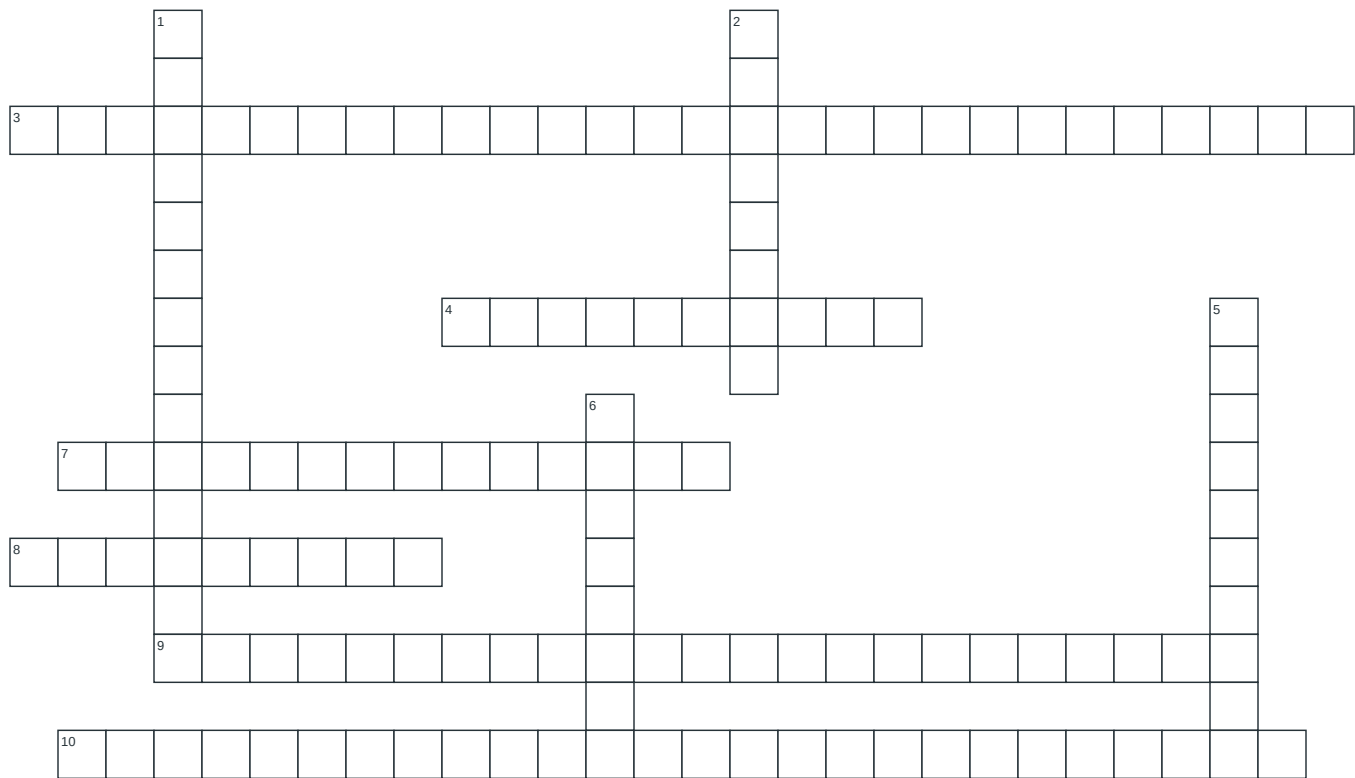


Easy | 10 clues | Student Worksheet

Name: _____ Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

3. Nutrient-rich deep water reaches a sunny surface region. What response is plausible if other conditions are suitable
4. Tides with relatively large ranges when Sun, Earth, and Moon align
7. Apparent deflection of moving air or water due to Earth's rotation.
8. Rise of deeper, nutrient-rich water toward the ocean surface

ACROSS (continued)

9. Large-scale ocean circulation driven by water-density differences related to temperature and salinity.
10. Definition of an ocean current

DOWN

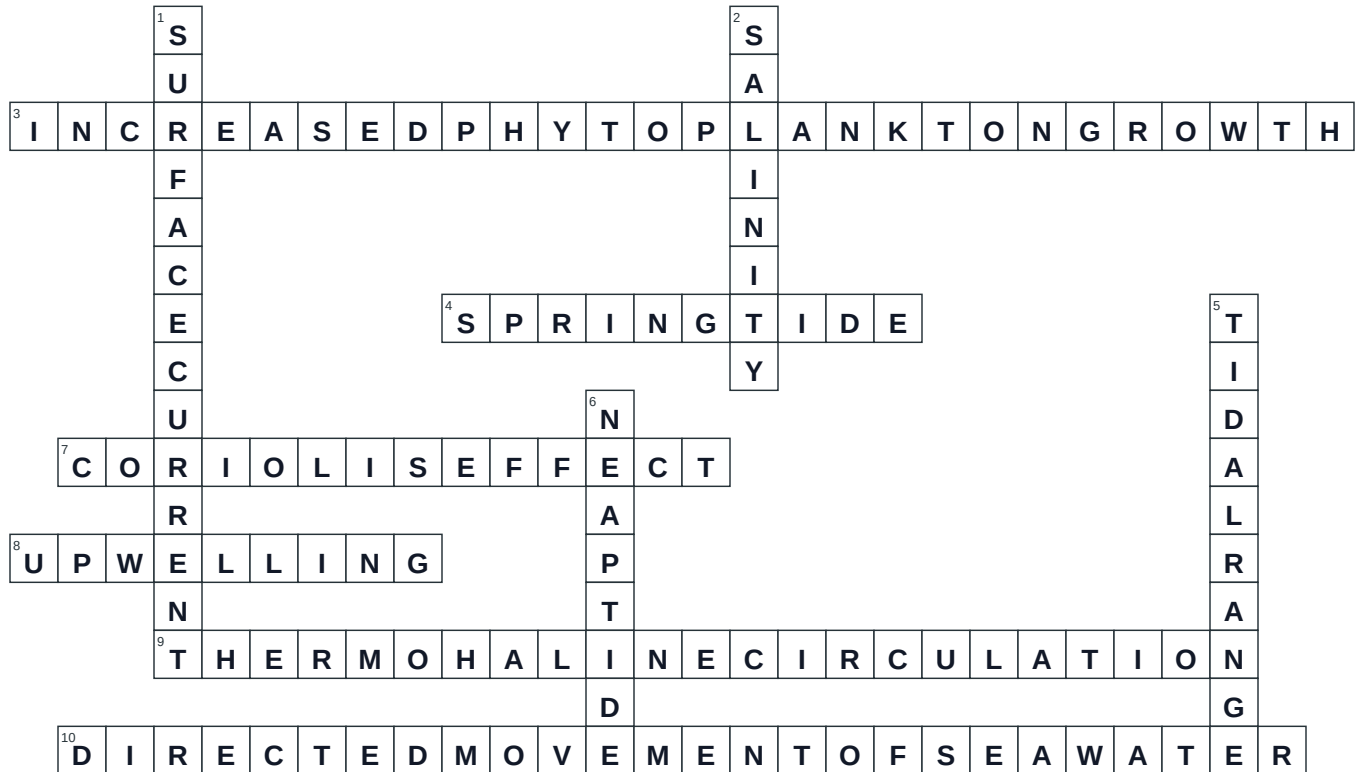
1. Ocean flow mainly in the upper layer, often driven by winds.
2. Measure of the amount of dissolved salts in water.
5. Difference in height between high tide and low tide
6. Tide with a small tidal range near first- or third-quarter moon

Ocean Currents and Tides Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

3. Increased Phytoplankton Growth
4. Spring Tide
7. Coriolis effect
8. Upwelling
9. Thermohaline circulation
10. Directed Movement Of Seawater

DOWN

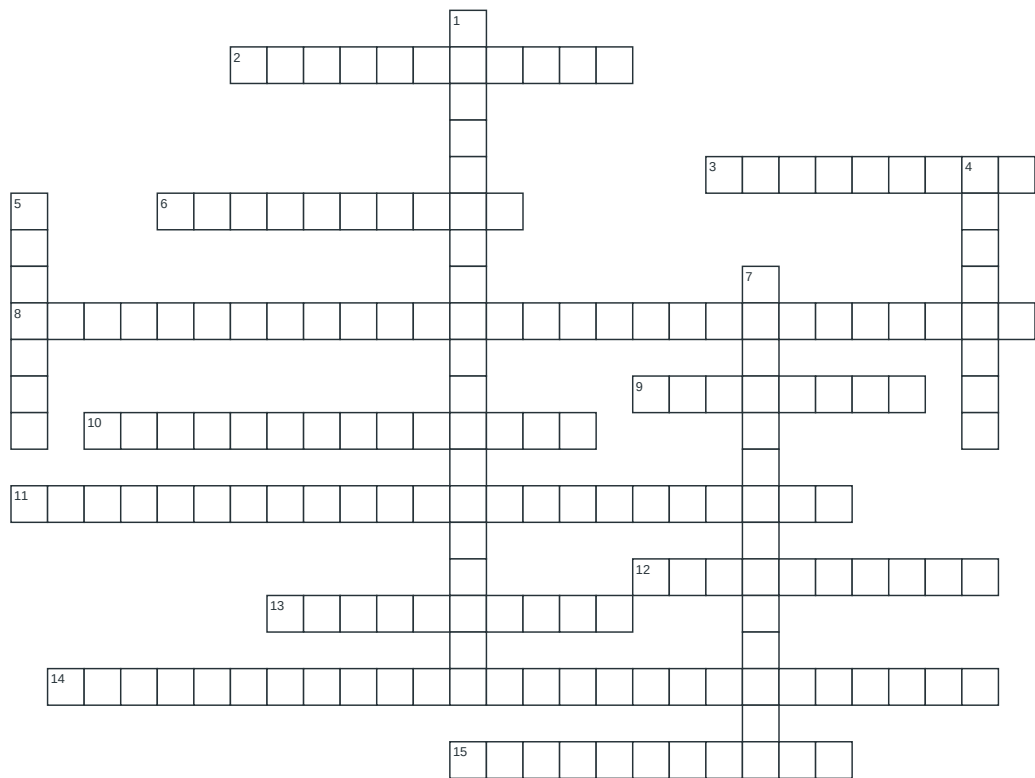
1. Surface current
2. Salinity
5. Tidal Range
6. Neap Tide

Ocean Currents and Tides Crossword

Medium | 15 clues | Student Worksheet

Name: _____ Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

- 2. Ocean flow below the surface associated with density differences.
- 3. Rise of deeper, nutrient-rich water toward the ocean surface
- 6. Tides with relatively large ranges when Sun, Earth, and Moon align
- 8. Nutrient-rich deep water reaches a sunny surface region. What response is plausible if other conditions are suitable
- 9. Measure of the amount of dissolved salts in water.
- 10. Ocean flow mainly in the upper layer, often driven by winds.
- 11. Large-scale ocean circulation driven by water-density differences related to temperature and salinity.

ACROSS (continued)

- 12. Upper surface of the saturated groundwater zone.
- 13. Difference in height between high tide and low tide
- 14. Definition of an ocean current
- 15. Water within connected pores and fractures below the water table

DOWN

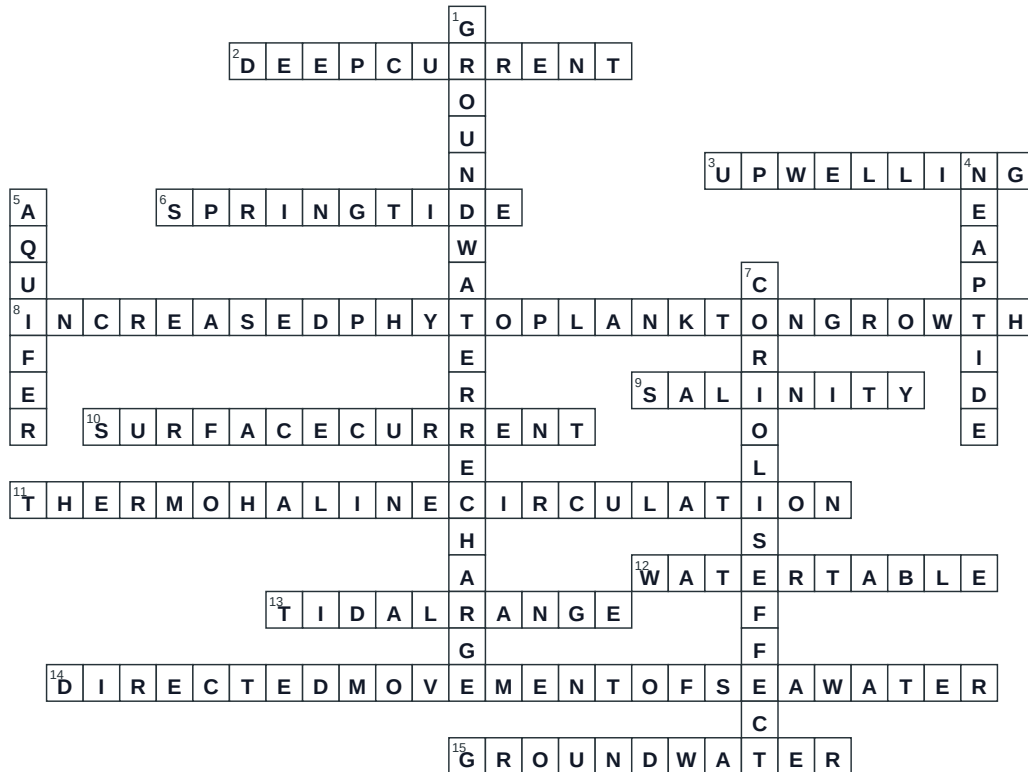
- 1. Water entering and replenishing an aquifer.
- 4. Tide with a small tidal range near first- or third-quarter moon
- 5. Permeable geologic unit that stores and transmits groundwater.
- 7. Apparent deflection of moving air or water due to Earth's rotation.

Ocean Currents and Tides Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

2. Deep current
3. Upwelling
6. Spring Tide
8. Increased Phytoplankton Growth
9. Salinity
10. Surface current
11. Thermohaline circulation
12. Water table

ACROSS (continued)

13. Tidal Range
14. Directed Movement Of Seawater
15. Groundwater

DOWN

1. Groundwater recharge
4. Neap Tide
5. Aquifer
7. Coriolis effect

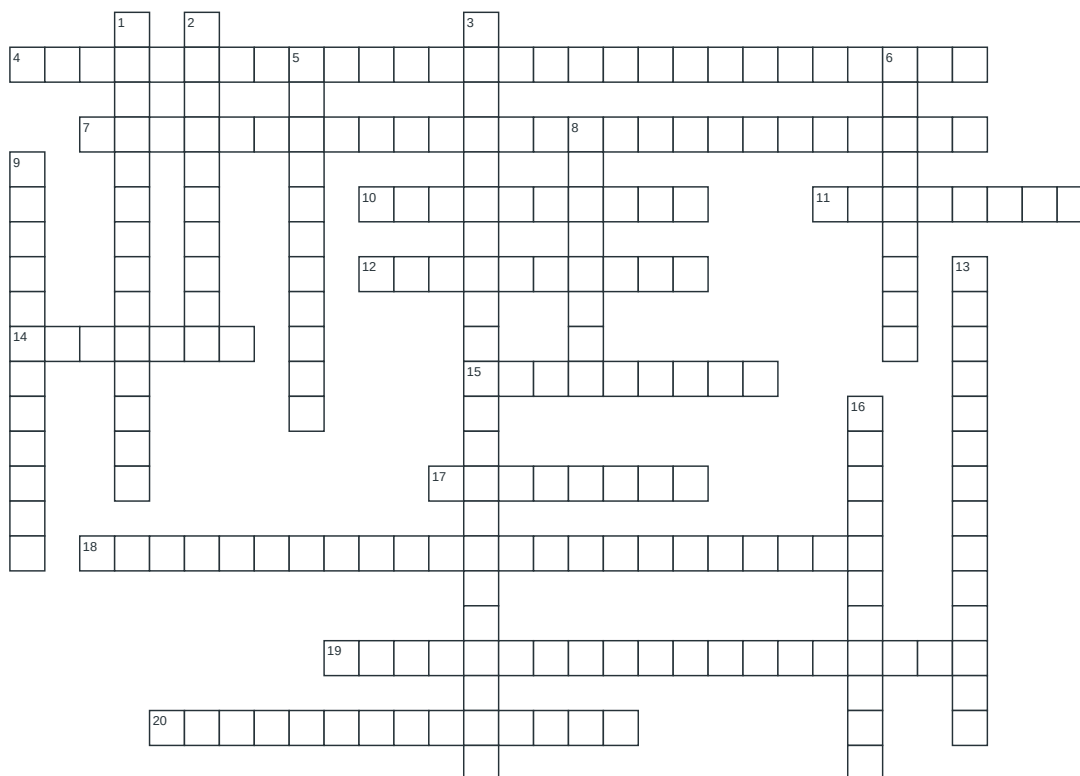
Ocean Currents and Tides Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

4. Nutrient-rich deep water reaches a sunny surface region. What response is plausible if other conditions are suitable
7. Definition of an ocean current
10. Difference in height between high tide and low tide
11. Fraction of a material's volume made up of open spaces.
12. Tides with relatively large ranges when Sun, Earth, and Moon align
14. Permeable geologic unit that stores and transmits groundwater.
15. Rise of deeper, nutrient-rich water toward the ocean surface
17. Measure of the amount of dissolved salts in water.
18. Large-scale ocean circulation driven by water-density differences related to temperature and salinity.
19. Water entering and replenishing an aquifer.
20. Apparent deflection of moving air or water due to Earth's rotation.

DOWN

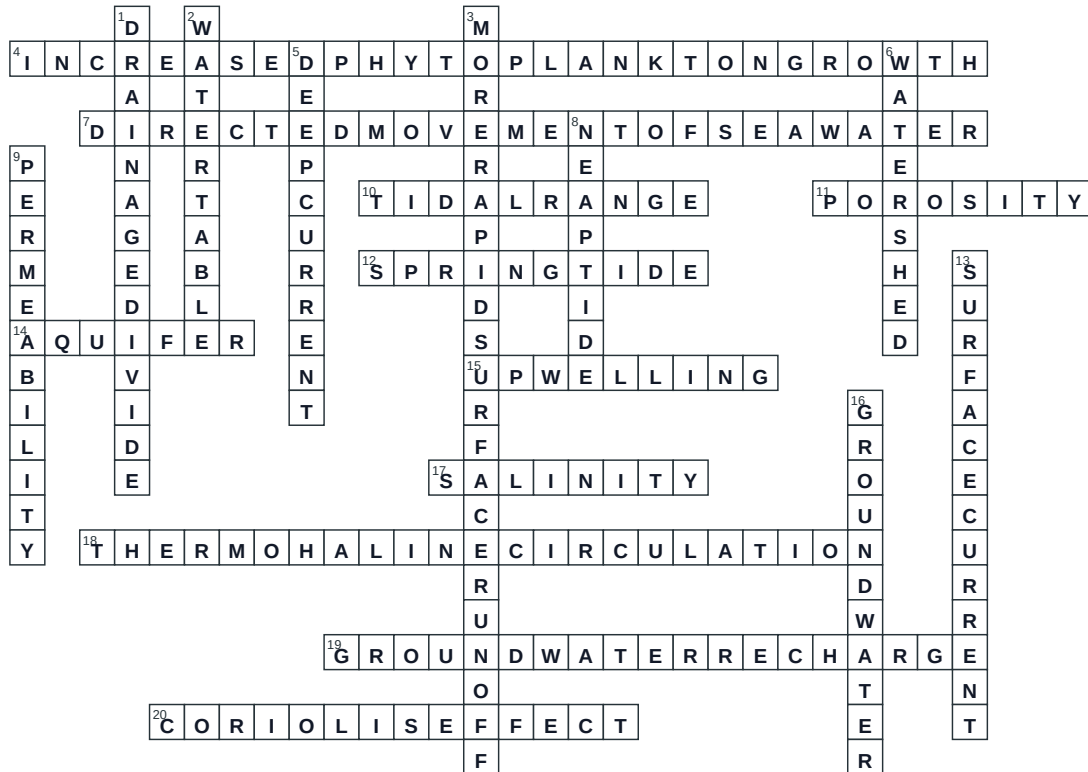
1. High land that separates neighboring watersheds.
2. Upper surface of the saturated groundwater zone.
3. A watershed loses vegetation and gains extensive pavement. What change is generally expected after a storm
5. Ocean flow below the surface associated with density differences.
6. Area of land that drains water to a common outlet.
8. Tide with a small tidal range near first- or third-quarter moon
9. Ability of a material to allow fluids to pass through connected spaces.
13. Ocean flow mainly in the upper layer, often driven by winds.
16. Water within connected pores and fractures below the water table

Ocean Currents and Tides Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

4. Increased Phytoplankton Growth
7. Directed Movement Of Seawater
10. Tidal Range
11. Porosity
12. Spring Tide
14. Aquifer
15. Upwelling
17. Salinity
18. Thermohaline circulation
19. Groundwater recharge
20. Coriolis effect

DOWN

1. Drainage divide
2. Water table
3. More Rapid Surface Runoff
5. Deep current
6. Watershed
8. Neap Tide
9. Permeability
13. Surface current
16. Groundwater