

Grade 8 Unit 1 Test

You are responsible for all terms!

Terms:

Chapter 1:

Water cycle
Atmosphere
Lithosphere
Hydrosphere
Drainage basin
Continental divide
River
Wetland
Run-off
Groundwater
Glacier
Iceberg
Condensation
Evaporation
Precipitation
Ice age

Chapter 2:

Plate tectonics
Continental shelf
Continental slope
Abyssal plain
Mid-ocean ridge
trench
Erosion
Ocean current
Density current
upwelling
Coriolis effect
thermocline
Wave
Breaker
Tsunami
Tide

Chapter 3:

Climate
Weather
Specific heat capacity
Convection
Estuary
Bioluminescence
Point source
Non-point source
Acid precipitation
Invasive species
Overfishing

We have reduced the outcomes being tested to one important point per section...

Study the outcomes which are not crossed out...

Questions:

- Label a diagram of the water cycle
- Tell the difference between fresh water and ocean water in terms of salinity, density, freezing point
- ~~Describe why the Dead Sea is so special~~
- ~~Describe where fresh water comes from including drainage basins, ground water and glaciers~~
- Describe how climate change affects glaciers (advancing/retreating) and how this affects us (fresh water sources, ocean water levels)

- Describe how ocean basins were created by plate tectonics
- Describe how ocean water originated from volcanic action
- Describe (and label) the features in a typical ocean basin including continental shelf, continental slope, abyssal plain, mid-ocean ridge, trench
- Describe how and when you would use technologies to explore the ocean floor including sonar, satellites, submersibles, underwater photography and videography, diving
- Describe the factors which affect ocean currents including wind, earth's rotation, continent shape, water temperature, and water salinity
- Know what two currents affect us and how (including fog and temperature fluctuations)
- Describe how waves are formed and be able to label the parts of a wave
- Explain how the effect waves have on a shoreline depends on the shape of the shoreline, the slope of the shoreline, the type of rock material, the strength of the waves
- Describe how waves affect headlands and bays
- Describe how waves create beaches, sea caves, arches and sea stacks
- Explain how tides are generated
- Describe the difference between spring tides and neap tides
- Describe why the Bay of Fundy is so special
- Describe how the presence of a warm or cold current affects the climate of a region
- Describe how convection in the ocean affects weather
- Describe the causes (trade winds), effects (warming/cooling of ocean) and results (weather patterns/marine productivity) of El Nino and La Nina
- Describe how humans impact marine environments including:
 - our general pollution of the water
 - acid precipitation
 - the offshore oil industry
 - invasive species
 - overfishing
 - aquaculture

Know any 2 of these