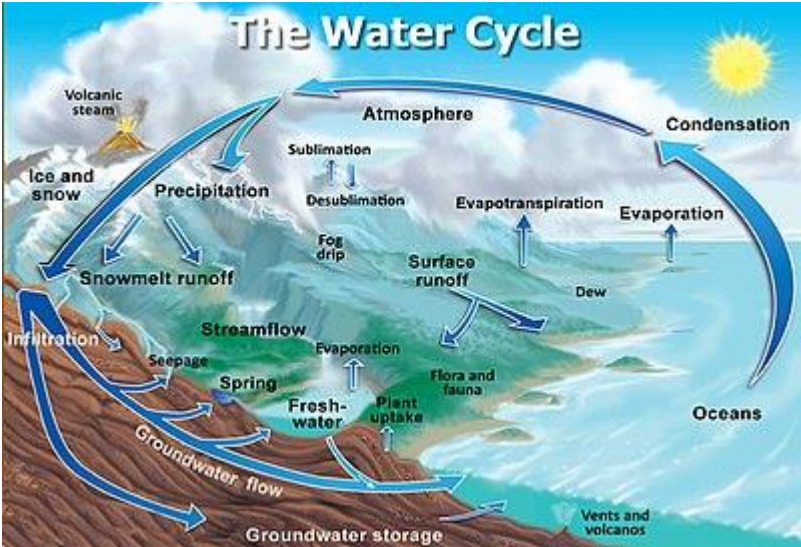Topic: Survivor

Can Geography help you survive?

7e1	To be able to use contour lines and symbols on a map. Contour lines are red/ orange lines on a map which illustrate the height above sea level. Good geographers can use these to see the shape and relief of the land, using simple rules i.e. the closer they are together the steeper the slope and the further they are away the more gentle the slope.
7e2	To be able to define the terms Evaporation, Condensation and Precipitation. **Evaporation-** when solar energy turns water from a liquid to a gas (water vapor) **Condensation-** when water cools down and turns from a gas (water vapor) to a liquid **Precipitation-** water falling in the state of; rain, snow, hail or sleet. To understand the water cycle. **The Water Cycle** Volcanic steam — Atmosphere — Condensation — Sublimation — Desublimation — Evapotranspiration — Evaporation — Precipitation — Ice and snow — Fog drip — Snowmelt runoff — Surface runoff — Dew — Streamflow — Evaporation — Infiltration — Seepage — Spring — Flora and fauna — Fresh-water — Plant uptake — Oceans — Groundwater flow — Groundwater storage — Vents and volcanos To be able to explain the best place to find fresh water Think carefully about different sources of water and which ones are in supply and are clean/ safe to drink. i.e. Rainwater is clean and safe to drink, but not always in supply. Rivers- are more likely to be in supply, but may be dirty contaminated downstream.
7e3	To be able to define aspect, shelter and prevailing wind. **Aspect-** Direction the slope is facing **Shelter-** Where can you hide from the elements (wind & rain) **Prevailing wind-** The most dominate wind direction To be able to explain the best place to find shelter. Consider locations which are sheltered from the wind, flat land for building a shelter, access to materials needed to build a shelter, drink and eat.
7e4	To be able to define ecosystem, producers, consumers and Food chains. **Ecosystem-** a geographical area where plants, animals, weather and landscape work together. **Producers**- an organism which produces energy from sunlight **Consumers**- organisms which consume (eat) producers **Food chains**- the transfer of energy between consumers and producers in a ecosystem. To know the difference between the living and non-living environment. **Living** (biotic) these are the living parts of a ecosystem, i.e. plants and animals. **Non- living** (abiotic) parts of the ecosystem which are non-living, i.e. weather, soils, water and nutrients. To be able to develop basic food webs / chains. <table><tr><td>Apex predator</td><td>Bird of prey</td></tr><tr><td>Secondary consumer</td><td>(small) bird</td></tr><tr><td>Primary consumer</td><td>Insects</td></tr><tr><td>Producer</td><td>Grass</td></tr></table>