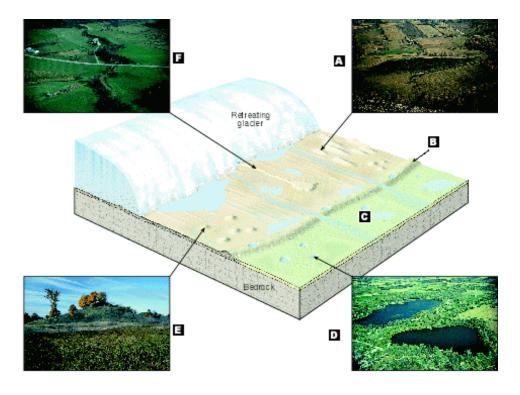
Unit 5 - Fresh and Saltwater Systems

Complete each of the following questions, relating to the specific learner outcomes, covered this year in Grade 8. The questions in this review reflect what you should have mastered and will be tested on the **Final Achievement Exam**. The answers will be covered in class.

Part 1 - A World of Water
How is water recycled on Earth? (p.368)
Illustration of the Water Cycle
Note that are some with a major are refer to a recording the arrantiture and arrality of water on the Forth O
What are some vital <i>environmental concerns</i> regarding the quantity and quality of water on the Earth? (p. 366) (p. 374)

Describe and illustra	ate the distribution of water on the Earth. (p. 372-373)
Part 2 - Earth's F	
Describe the <i>natura</i>	al freshwater storehouses, including (p.375-379)
Icefields	
Glaciers	
Snow packs	
	ce between valley glaciers and continental glaciers? (p. 376-377)

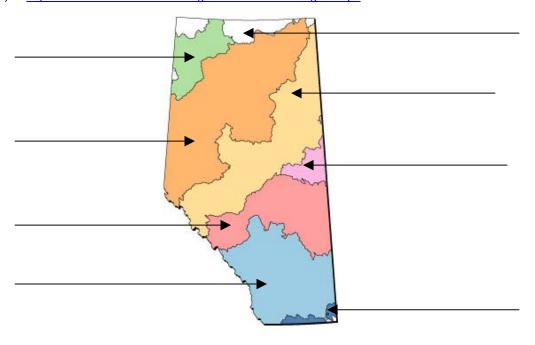
Using the illustration below, identify the location of those ${\bf glacial\ landform\ features}$ listed and describe how each of them form ...



moraine
drumlin
kettle lake
esker
How does <i>glacial erosion</i> and <i>glacial deposition</i> affect the face of the Earth? (p. 380-382)

What clues to the past can <i>ancient ice</i> reveal? (p.384-385)
How does <i>global warming</i> and <i>natural disasters</i> affect our water supply? (p.386-387)
Part 3 - Fresh Water Systems
In what forms does fresh water exist on the Earth? (p.390-391)

Identify the major **watersheds** of Alberta (p. 393) & http://www.albertawatersheds.org/index.html?LoadPage=maps



low does land use affect <i>run-off</i> and the health of a <i>watershed</i> ? (p.392-394)
Describe how the <i>rate of flow of a stream</i> can affect erosion (<i>run-off</i>) and deposition (<i>sedimentation</i>). 0.396-397) (400)
low do scientists determine the impacts of <i>pollutants</i> on the aquatic environment? (p.400-401)
What can be done to <i>reduce the impacts</i> of pollutants? (402-403)
What is causing aquifer depletion ? (p.405)
low can groundwater contamination magnify environmental contaminants? (p.406-407)

Part 4 - The Oceans

96.5% of the ocean is water. The other 3.5% is the total amount of dissolved solids (salts) – but where does it come from?
How do the Oceans get salty ? (p. 411)
What does the Ocean floor appear like and how was it formed? (n. 442-445)
What does the Ocean floor appear like and how was it formed? (p. 413-415)
Describe the effect of <i>Ocean waves</i> on shorelines and the creation of beaches. (p.419-422)
What causes <i>Tides</i> ? (p. 423-425)

ow do Ocean currents affect climate and aquatic life? (p. 426-429)
art 5 - Living In Water
escribe the diversity of freshwater and saltwater organisms. (p. 432-433)
/hat <i>adaptations</i> do plants and animals develop to enable them to survive in aquatic environments? .434-444)
sustrate and Describe the interactions among aquatic organisms (food chains and food webs). (p.435)

Part 6 - Water Quality and Water Management What scientific tests are used to determine the properties and quality of a water supply? (p.448-450) (p.453-54) Toward of the water supply? (p.450) Toward of the water supply? (p.450) Toward of the water supply? (p.450) Toward of the water supply? (p.451-452)
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ow do people and water interact <i>negatively</i> ? (p.451-452)
ow do people and water interact <i>negativery</i> : (p.431-432)
dentify the variables that can be measured to determine <i>water quality</i> . (p.453)

Can only live in clean water	
Can only live in clean water	Can live in slightly polluted water
the water use activities that Water Qua	ality Standards are set for.
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Illustrate the <i>process used to purify drinking water</i> . (p. 463)
Describe the following <i>purification processes</i>
distillation
osmosis
reverse osmosis
How can <i>sustainability</i> be achieved, while balancing the needs of people, industries, agriculture and wildlife? (p.465-468)
Wildlife: (p. 400)