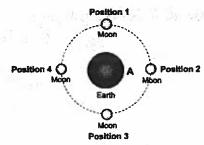
## ultiple Choice

## Consider the following watershed.



Which of the numbered locations in the diagram are likely to be affected by waste from the farm or factory?

- A) Locations 1, 2 and 4
- C) Locations 2, 3 and 5
- B) Locations 1, 4 and 5
- D) Locations 3, 4 and 5
- 2. The diagram below shows four different position of the Moon around the Earth. For low tide to occur at point A, the Moon must be located at:



- A) position 1 only.
- B) position 4 only.
- C) position 1 or 3.
- D) position 2 or 4.
- Many factors can affect the flow of water in a watershed. Which of the following factors reduce 3. the flow?
  - A) A steeply sloping terrain
- C) Replacing a forest with a paved parking lot
- B) A farm with corn crops
- D) High wind and high rainfall
- Which statement is true regarding a mineral ore? 4.
  - A) All rocks are ores.
- C) An ore is a rock rich in minerals that can be mined profitably.
- B) Ores contain metals.
- D) An ore is rare mineral found in remote locations.
- Which of the following are TRUE regarding hurricanes? 5.
  - A) A hurricane results from a strong tropical depression.
  - B) A hurricane is an anticyclone.
  - C) A hurricane always forms over cold waters.
  - D) A hurricane is formed by a high pressure system.

b=				
MC ANS				
1	В			
2	C			
3	B			
4	C			
5	A			
/ 10 =				

	A) The tidal range is always constant.							
	B) There is only one tide per day everywhere on Earth.							
	C) One high tide occurs on the side of the Earth which is directly facing the Moon.							
	D) The tides are caused <u>only</u> by the position of the sun.							
2,								
9. Talc has a very low value on the Mohs scale. This tells us that talc is:								
A) transparent B) allochromatic C) a relatively hard mineral D) a relatively soft mineral								
	,	•	,					
10.	Which	choic	ce best matches the c	haracteristics of a c	lear diamond.		ANS	
			Mohs scale value	Colour	Transparency	6	B	
	Г	Α	1	Allochromatic	Opaque	7	A	
		A				8	C	
		В	10	Allochromatic	Transparent	9	1	
		C	1	Idiochromatic	Translucent		D Q	
		D	10	Idiochromatic	Transparent	10	P	
	L		<u> </u>				10 =	
11. Identify the types of rocks according to their description. (4) Sedimentary (S), Igneous extrusive (IE) Igneous intrusive (II) and Metamorphic (M).								
	<ul> <li>a) Limestone, a type of sedimentary rock, becomes marble after millions of years of pressure.</li> <li>Marble would be classified as</li> </ul>							
	b) Rocks that slowly cool and solidify under the Earth's surface. Granite is a typical example.							
	c) Formed when magma reaches the Earth's surface through a volcano and cools quickly.							
d) Rock that has formed through the deposition, accumulation and compaction of debris.						<u>S</u> ,		
12. Fill-in the tale below. (5)								

This atmospheric layer is warmer due to the presence of ozone, which absorbs UV rays.

Tides are the rise and fall of water levels. Which of the following statements is true?

B) Stratosphere

B) Stratosphere

In which atmospheric layer would a jet plane encounter a thunderstorm?

C) Mesosphere

C) Mesosphere

Main Disadvantage

radioactive waste.

Expensive

Major contributor to

**GHGs** 

inconsistent.

flooding

Main Advantage

venewable

renewable

revenable

Ease of use

D) Thermosphere

D) Thermosphere

6.

7.

8.

A) Troposphere

A) Troposphere

Comes From

Atmosphere/ Lithosphere/ Hydrosphere

**Atmosphere** 

Atmosphere (sun)

Lithosphere

Li thosphere

Hydrosphere.

Energy

Resource Nuclear Energy

Wind Energy

**Fossil Fuels** 

Solar Energy

Hydroelectricity

	spne						
13.		are working with NASA, in a team that focuses on public awareness. It is your job to explain why					
	the atmosphere is essential to life on earth.						
	List	t 3 roles that the atmosphere accomplishes that have permitted life on earth.					
	1	Blocks UV					
		2. Ensures a stable climate 3. Contains Co. + Oz allows for abotes thesis -> respiration					
	3	Conteins CO2 + O2 0	allows for photosynthesis = respiration.				
			in the second se				
Solar	enera	ıv (2)					
14.			hat receives a lot of sun light. Name 2 measures that				
	you	could put into place to capture this end	ergy.				
	1	Passive hoating existen	(South Pacingwindows, cement to absurb				
	2	3 (1)	(SOUTH (RECEIPED TO MINOR)				
		Solar collectors.					
Energ	y Res	ources (4)					
15.		No.					
		Engage in Council.					
		Energy in Canada	The graph to the left shows the energy sources				
		■ Hydro 59%	used to generate electricity in Canada and their				
		■ Nuclear 16%	approximate percentages.				
		⊟ Coal 13%					
		☑ Natural Gas 6%	Lloing this graph datarmine the following:				
		□ Solar/Wind 4%	Using this graph, determine the following:				
		□Tidal 1%					
	L						
			l Q				
	a)	What percentage of electricity is produc	ed from energy sources that <u>generate</u> %				
		greenhouse gas emissions?	G				
		Coal					
	b)	b) What percentage of electricity is produced from energy sources that are					
		renewable? $5q + 4 + 1$	·				
		hydro + solor/wi	ind + tidal 4				
	c)	What percentage of electricity is produce	ed from energy sources found in the%				
		atmosphere? wind					
			(0				
	d)	What percentage of electricity is produce	ed from energy sources found in the				
		hydrosphere? Hydro 59 +					
		1	tian				
Meteo	rology	y (5)					
16. W	hat ca	uses the rotation of low and high pres	sure systems? <u>Coriolis</u> Effect.				
17 LA/L	ich t	uo gogoo ara maat ahundant la aus stu	naanhara?				
17. VV	nen w	vo gases are most abundant in our atn					
. Na	me tw	vo major green house gases	2 & CH2 03 Nb, CO				
200							

