

Global water stores and changes in magnitude 3.1.1.2

Q1	<i>Match the terms with their water state</i>		
A	Fresh and saline water largely in a liquid state		
B	Liquid water contained within soil, may sometimes be frozen		
C	Water in a solid state. May be liable to melting into a liquid form		
D	Liquid water contained in rocks, may occasionally be frozen		
E	Water vapour plus condensation of fresh water and may be frozen		
Lithosphere Cryosphere Atmosphere Hydrosphere Pedosphere			

Q2	Tick if these are primarily water Transfers, Stores – or Both	Transfer	Store
A	Evaporation		
B	Underground aquifer		
C	Ice sheet		
D	Percolation		
E	Precipitation		
F	Glacier		
G	River		

Q3	Place a + (increase) or -- (decrease) in the pairs of stores under the following change conditions	Water store	Change + / --
A	A glacial advance (ice maximum)	Cryosphere	
		Hydrosphere	
B	Global warming	Atmosphere	
		Cryosphere	
C	An interglacial (warm phase between ice advances)	Pedosphere	
		Lithosphere	
D	A prolonged drought	Hydrosphere	
		Atmosphere	
E	Human water abstraction for irrigation from bore wells	Lithosphere	
		Atmosphere	

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Q4	<i>Given that global warming is occurring, what are the likely changes in the following water stores, why and with what consequences?</i>	
	<i>Cryosphere</i>	<i>Hydrosphere</i>
	<i>Atmosphere</i>	<i>Lithosphere</i>

Q5	<i>Classify these elements in a drainage basin system as 'input', 'store', 'flow/transfer' or 'output'. Some are independent of the system and are 'controls'. Identify those too.</i>
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