METEOROLOGY
BLOCK

NAME_					
DATE:	/	/			

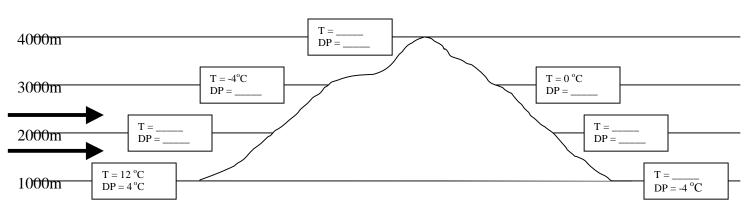
ADIABATIC TEMPERATURE CHANGE

Resource Information

Wind is forcing air to rise up the mountain below before sinking on the other side. The initial air and dew point temperatures are shown at the base of the mountain.

- Fill in each missing air and dew point temperature.
- At what elevation will a cloud likely form?_

- Dry adiabatic lapse rate = 10° C/1000m Moist adiabatic lapse rate = 6° C/1000m Dry dew point lapse rate = 2° C/1000m Moist dew point lapse rate = 6° C/1000m
- Moist dew point lapse rate = 6 C/1000n



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