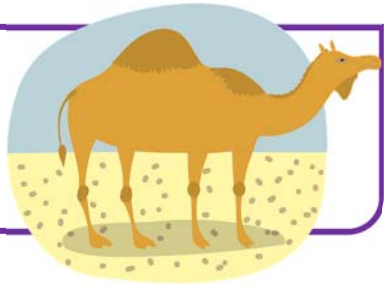
Name _____

Desert Data



Directions: Read the passage. Decide if each science statement is **True** or **False** based **only on the text**.

During a field trip to Redstone Canyon, a middle school science class tests a small battery-powered rover on dry desert soil. The rover is programmed to measure **surface temperature**, **light intensity**, and **soil moisture**. At noon, the display shows a surface temperature of **forty-nine degrees Celsius** and very low moisture in the top layer of sand. As clouds pass overhead, the light reading drops quickly, but the temperature changes only a little. The class concludes that in this canyon, **sunlight affects light levels immediately**, while surface temperature changes more slowly.

_____1. The rover measures **surface temperature**, **light intensity**, and **soil moisture**.

_____2. The surface temperature at noon is **forty nine degrees Celsius**.

_____3. The soil at the top layer shows **high moisture** at noon.

_____4. When clouds pass, the **light reading drops quickly**.

_____5. The temperature changes **faster than the light level** when clouds move in.

_____6. The class concludes that **sunlight affects light levels immediately**.

_____7. The rover runs on **solar power only**.

_____8. The class decides that **surface temperature changes more slowly** than light levels in this canyon.

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