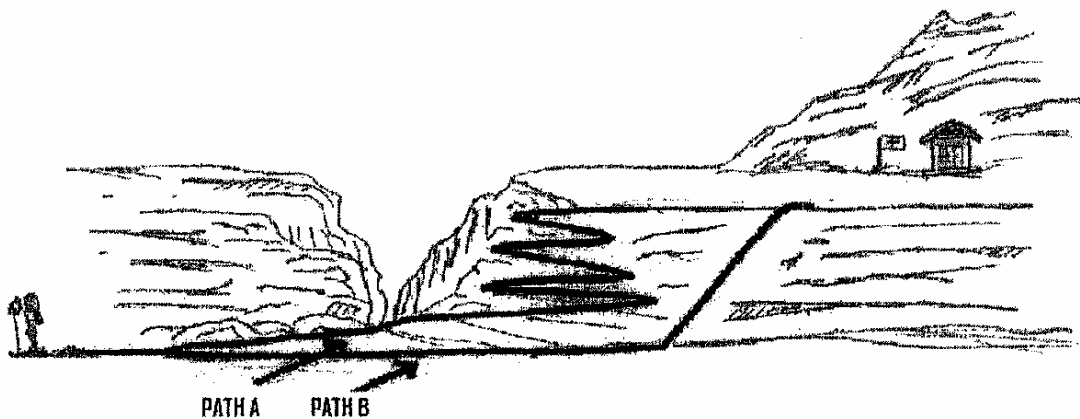


Student Score = 79

6th Simple Machines & Energy
Summative Assessment

1. A hiker is at the bottom of a canyon and needs to get to the medical station at the top of the canyon. There are two paths (Path A and Path B) that lead to the top of the canyon. **Path A** is a longer path, but since it zig-zags back and forth, no portion of the path is very steep. **Path B** is much shorter, but it is a very steep.

Which path should he choose if he wants to use the least amount of effort force to complete the journey? Explain the reasoning for your choice.



Path A because path b you have to use all your energy at once to hike up the hill. But path A you use the same amount of effort but it will be easier to climb because the zig-zags give you more traction.

Student Response

Path A because path B you have to use all your energy at once to use the same amount of effort but it will be easier to climb because the zig-zags give you more traction.