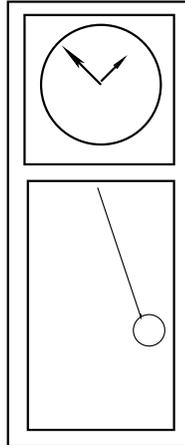


A pendulum clock is moved up to the surface of the Moon, where the acceleration due to gravity is  $1/6$  that at the surface of the Earth.



How well does the clock work on the moon?

1. The clock runs slower on the Moon than on Earth.
2. The clock runs at the same rate both places.
3. The clock runs faster on the Moon than on Earth.
4. The clock does not work at all on the Moon.