

Meteor on the moon

This task is about how sound and light travel.



a) Suppose a huge meteor crashed on to the visible part of the Moon's surface causing a massive explosion.

What would an observer on Earth see and hear?

- A bright flash and the loud noise of the explosion as it happened.
- The flash of the impact followed a little later by the sound of the explosion.
- The flash of the explosion, but no sound would be heard.
- Nothing; the explosion would be neither seen nor heard.

b) Explain why the answer you chose is correct.