

Answer on Question #71506-Physics-Other

The sound of a thunderclap was heard 3 sec after the flash was seen. If the temperature at that time was 50c, find the distance of the cloud?

Solution

The speed of sound at 50°C is

$$c = 360.3 \frac{m}{s}.$$

The distance of the cloud is

$$d = ct = (360.3)(3) = 1081 \text{ m}.$$

Answer: 1081 m.

Answer provided by <https://www.AssignmentExpert.com>