

17.1 EARTH UNDER THREAT!

TASK 3: CALCULATING THE KINETIC ENERGY OF THE OBJECT

$$\text{Kinetic Energy (Joules)} = \frac{1}{2} mv^2$$

Where m = mass in kg and v = velocity in metres per second

$$1 \text{ Megaton} = 4.18 \times 10^{15} \text{ J}$$

Kinetic energy in Joules = _____

Kinetic energy in megatons = _____

TORINO SCALE RATING: _____



TASK 2: WHAT DO WE DO?

Click on the link in the console panel and research three methods of dealing with the threat. Briefly summarise the methods below and use this to help you make a choice as to your course of action.

Method	How it works	Pros and cons