## What is the coefficient $\mu$ ?

A The mass of the largest body	0 <b>X</b>
B The gravitational constant	0 X
C The standard gravitational parameter	0 🗸
D The acceleration of the smallest object	0 X

## What is the potential energy of a spacecraft in a gravitational field?

$$1 E_{pot} = mgh \land$$

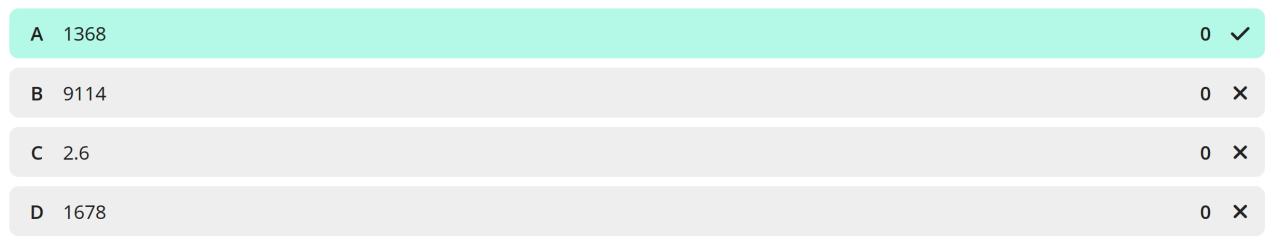
$$E_{pot} = -\mu/r$$
 B

$$E_{pot} = \frac{1}{2}v^2$$

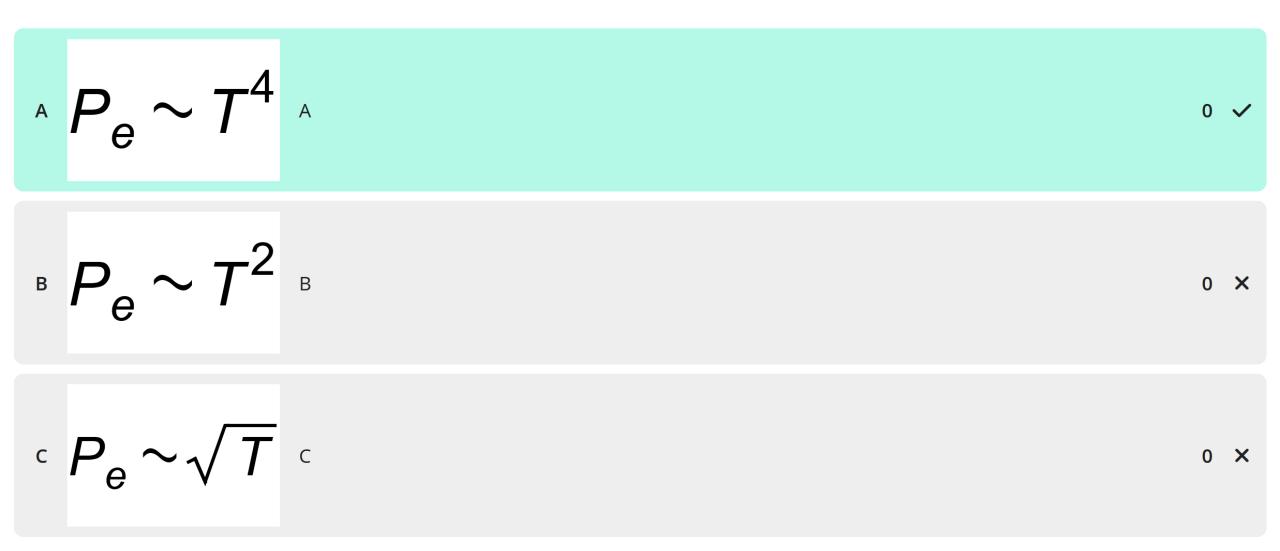
#### What are the Van Allen belts?

A Special orbits for SATCOM satellites	0 ×
B equatorial radiation belts	0 <b>X</b>
C increase the lifetime of a satellite	0 ×
D Regions of higher electron and proton densities	0 🗸

# What is the value of the solar flux at the top of the atmosphere (in W/m2)



### How does the emitted power changes with temperature?



## What is controlled by the the absorptivity/emissivity ratio?

A The cross section of an object	0 ×
B The size of an object	0 <b>X</b>
C The lifetime of the object	0 X
D The temperature of an object	0 🗸

If you want to extract a lot of thermal energy and not absorb as least energy as possible, you should choose an absorptivity/ emissivity ratio that is... and a surface typically...

A as large as possible	0 ×
B as small as possible	0 🗸
C White	0 🗸
<b>D</b> Black	0 ×