What is the coefficient μ?

A	The mass of the largest body	0	✗
B	The gravitational constant	0	✗
C	The standard gravitational parameter	0	✓
D	The acceleration of the smallest object	0	✗

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

1	$E_{pot} = mgh$	A	0	✗
2	$E_{pot} = -\mu / r$	B	0	✓
3	$E_{pot} = \frac{1}{2} v^2$	C	0	✗

What are the Van Allen belts?

A	Special orbits for SATCOM satellites	0	✗
B	equatorial radiation belts	0	✗
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)

A	1368	0	✓
B	9114	0	✗
C	2.6	0	✗
D	1678	0	✗

How does the emitted power changes with temperature?

A $P_e \sim T^4$ A 0 ✓

B $P_e \sim T^2$ B 0 ✗

C $P_e \sim \sqrt{T}$ C 0 ✗

What is controlled by the the absorptivity/emissivity ratio?

A	The cross section of an object	0	✗
B	The size of an object	0	✗
C	The lifetime of the object	0	✗
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	✓
D	Black	0	✗