Name	2	Period
	Video "The Universe-Grav	vity"
1.	All objects with mass or pro	oduce gravity.
2.	What role did gravity play in the formation of Eart	h?
3.	Explain why the tennis ball seems to float above the scientist's face at the top of Superman the Escape at Magic Mountain.	
4.	To go into orbit, a cannonball, or any other object, would need to be fired at mph.	
5.	Explain why the Moon doesn't fall to Earth.	
6.	Explain what happens to your velocity as you fall to of the Earth to the other. (be sure to talk about your center of the Earth and then as you pass the center surface again on the other side)	r velocity as you fall to the
7.	What did Einstein say massive objects do to space	?
8.	For an object to escape from the Earth's gravity, it	must travel at mph
9.	Describe what the Slingshot Effect does for space 1	probes.
10.	O. Why do passengers on the Zero G Flight experience drops?	e weightlessness as the plane
11.	1. Who stated that acceleration is the same as gravity	?
12.	2. Extended periods of weightlessness leads to bone l	oss, muscle deterioration, and

over

13. For extended space flights to Mars and beyond, how could astronauts prevent the effects listed above?
14. Any change in gravity sends a through space.
15. Give three examples of something that can cause a change in gravity.