The Invisible Force

Video Worksheet

Name	
Class Period _	
Date	
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		Date	
1.	Why don't we have 10 mile high mountains on Earth?	©1999 Sci-Ed Services	
2.	What is a super nova?		
3.	Why is Mars a desert planet?		
4.	. Where are our primary gravity sensors located in our bodies?		
5.	. What is the name of the system in our body that allows us to maintain our balance and orientation against the force of gravity?		
6.	. When we go into space, what are some of the immediate effects of losing or counteracting the force of gravity?		
7.	What happens to our bones when the force of gravity is counteracted or absent for a long period of time?		
8.	What happens to our muscles when the force of gravity is counteracted or absent for a long period of time?		ng
9.	What is the longest period of time a person has lived in space?		
10.	Explain the major health problems we face as we plan out how we are working to solve the problem.	ır first human landing on Mars a	nd

Extra Credit: Do the "Talk About..." & "Try This..." activities presented at the end of Part 1.

Please continue on the other side.

11.	Why must the human race establish colonies on other planets?
12.	Explain why human embryo development in reduced or zero gravity is impossible right now.
13.	Was did Sir Isaac Newton have to say about gravity?
14.	What happens to the force of gravity as the mass of an object is increased?
15.	What effect did the an understanding of gravity have on our human society?
16.	What forces are at work pulling and pushing at Earth's surface?
17.	What causes earthquakes?
18.	What causes volcanoes to erupt?
19.	Why isn't the force of gravity the same at all points on the earth?
20.	How does a "white dwarf" star become a super nova?
21.	Why may Einstein have been wrong about what he called "the biggest blunder of my life."?
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Extra Credit: Do the "Talk About..." & "Try This..." activities presented at the end of Part 2.