Name: Date:		
Surviving Mars Using Science: Performance Task Prep		
Movie Questions - Due WEDNESDAY JAN 15th		
Answer the following questions as you watch The Martian.		
1. a) How far away is Mars from Earth? b) How long does it take to get to Mars?		
 In order to travel to Mars, what factors must be taken into consideration? a) Describe the atmosphere on Mars. b) Describe the landscape on Mars. 		
4. Identify several needs/requirements for humans to live on Mars?		

5. What was the profession of Mark Watney? Why was his specialization valuable

for his survival on Mars?

Name:	Date:
6.	How did Mark Watney provide food for himself? What was required in order to successfully grow food on Mars?
7.	Explain how Mark Watney planned to create a sustainable food source for himself for several years on Mars?
8.	How does Mark Watney make water in the Hab? Why was this so dangerous?
9.	What renewable source of energy was used to power the Mars Rover? Why is this source of energy advantageous?
10	A Radioactive Plutonium battery is dug up to help Mark Watney stay warm on Mars' bitterly cold surface. Describe the properties of Plutonium and the dangers of using Plutonium as an energy source.
11	Oxyliquit (liquid oxygen) and a loose fuel were used to create a bomb to decelerate the spacecraft in the rescue of Mark Watney. What type of chemical reaction is this? What is the fuel used for this reaction?