

Name: _____

Date: _____

Period: _____

Gravity – The Movie

Dr. Ryan is played by Sandra Bullock

Kowalski is played by George Clooney

1. Why does the movie open with a scene of earth, but no sound? What is the director trying to tell us?
2. Watch when the Indian astronaut jumps from the shuttle's cargo bay. What would happen if he was not tethered (tied) to the shuttle? Explain?
3. Watch Dr. Stone after the shuttle is hit by satellite debris. Why does she continue to tumble head over heels into space after she is thrown from the arm? Will this continue forever? Explain.
4. When Kowalski tethers himself to Dr. Stone & uses his jet pack to bring her back to the shuttle, why does he get jerked backwards whenever he tries to get her to move forward?
5. When Kowalski runs out of fuel in his jetpack, why do they keep going straight?

6. Why does Kowalski unhitch himself from Dr. Stone? How does this change the force on Dr. Stone?
7. During the fire on the International Space Station (ISS), what does the fire extinguisher do to Dr. Stone when she first tries to use it? Why does this happen?
8. How does Dr. Stone use the fire extinguisher to “fly” to the Chinese Space Station?
9. Why do the doors to the space stations always fly open when she opens a hatch?
10. Why does Dr. Stone have such a hard time standing up and walking when she returns to earth?