

Name \_\_\_\_\_ Date \_\_\_\_\_ Per \_\_\_\_\_

### "The Universe Within"

#### Long Jump

1. What is the solid *support system* that Mike Powell needs to help his body?
2. The \_\_\_\_\_ microscope reveals individual bone cells.
3. While new bone is being made older bone is being \_\_\_\_\_.
4. The \_\_\_\_\_ are the moving parts of the body that provide the body with the capacity for motion.
5. The \_\_\_\_\_ is the engine that drives the human machine.
6. How much oxygen is used to keep the heart pumping?
7. What is the brains communication link to the muscle?

#### Speed Skating

8. What is the fuel the body uses?
9. \_\_\_\_\_ help break food apart.
10. The journey through the large intestine can take up to \_\_\_\_ hours.
11. \_\_\_\_ % of human waste (poop) is made up of friendly bacteria.
12. What is the largest single organ that we have?

Track and Field (*You must act like mature adults during this portion of the video, you do not see the actual birth*)

13. What do sperm and egg cells carry?
14. How many chromosomes do one sperm cell carry?
15. How many sperm are able to break through the barrier of the egg?
16. What is the first organ to develop in an embryo?
17. How long is an embryo in 4 weeks?
18. What helps to protect and nourish the fetus?