**How To Build A Beating Heart Worksheet-Answer in Complete Sentences**

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_**

1. What is the purpose to regenerative Medicine?
2. Why did the researchers use a rat’s heart for the experiment?
3. What is the biggest challenge in growing organs in a lab?
4. What is a driving force that is funding or allowing Regenerative Medicine to thrive?
5. What is the largest organ in the body?
6. How does Gerlock’s gun help in creating new cell’s now that how they were done before?
7. What is extracellular matrix?
8. What is a stem cell?
9. Why are stem cells so important in regenerative medicine?
10. Why was it ideal to use the bladder cell over other organs?
11. How is cotton candy helping to recreate human organs?
12. Why are salamanders important in regenerative medicine?
13. What is a blastima?