**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Bio 2 Extra Credit-** RADIOLAB Podcast – CRISPR (5PTS)

Answer the following questions using complete sentences.

1. What are the names of the host of RADIOLAB?

2. What did the biologist at the conference say he could do with CRISPR?

3. What is the name of the science writer that was in studio guest?

4. What does CRISPR stand for?

5. What are the bits of DNA between the sections of repeated bacteria DNA?

6. What did scientist Eugene Koonin propose was the reason for the bits of DNA within the bacteria DNA?

What percentage of bacteria are killed every day due to viruses? Why do the bacteria incorporate the virus DNA into their own DNA? What is the “mug shot” they are referring to?

What contribution did researcher Jennifer Doudna make concerning CRISPR?

In your own words, describe how CRISPR is used in gene editing?

Why is CRISPR better than previous gene editing techniques?

What are some things that scientists can potentially do with CRISPR?

What were researchers in China the first to do with CRISPR? Was it successful?

How do you think CRISPR should be used? Should the CRISPR gene editing technique be regulated? If so, what type of regulation would you recommend?

How would you use the CRISPR gene editing technique?