# 25A (15 points)

1- How do people directly benefit from space exploration?

2- What does a telescope need to form a good image of a distant object, and what part of the telescope is used to obtain it?

3 – What is the difference between a refracting and reflecting telescope.

4- What are some limitations of refracting telescopes?

9- Why are radio telescope dish antennas so large?

# 25B

1 – What is a rocket engine and how does it produce motion?

3- What were the major improvements Robert Goddard made to rocket design?

4- How did world history in the 20th century influence the development of space exploration?

7 – What is the difference between a satellite and a probe?

8 – Discuss different ways that space probes accomplish their missions.

# 25C

1- What factors fueled the race between the United States and the Soviet Union to put humans into space?

2- What was the greatest challenge of human space flight?

4 – Who was the 1st American in space and in what year?

10 – How did the International Space Station get its name?