

GK-6

Chapter 13: The Space and the Unknown – Answer Key

A. Multiple Choice Questions – Answers

1. (b) Mercury
2. (c) 88 days
3. (a) Morning Star / (d) Evening Star (Both names are used)
4. (b) Carbon dioxide

B. Fill in the Blanks – Answers

1. Mercury
2. 88
3. -173°C
4. Crust and mantle
5. Shakespeare
6. Venus
7. Reflects
8. Morning / Evening
9. 465
10. Carbon dioxide

C. True or False – Answers

1. True
2. False
3. True
4. True

D. Match the Following – Answers

A - 2 (Mercury – Orbits Sun in 88 days)

B - 1 (Venus – Second planet from the Sun)

C - 3 (Crust & Mantle – Made of rocks)

D - 4 (Carbon dioxide – Causes Venus's high temperature)

E. Short Answer Questions – Answers

1. Mercury is the fastest planet because it is closest to the Sun and has the shortest orbital path.
2. Venus is the hottest planet because its dense atmosphere is filled with carbon dioxide, causing a strong greenhouse effect.
3. Venus shines brightly because its thick clouds reflect sunlight very well.
4. Mercury's craters are named after famous writers, artists, and musicians such as Shakespeare and Tolstoy.
5. The rocky parts of the planet are called the crust and mantle.