

Name: (Answer Key)

Directions: Consider the following four statements about our galaxy, the Milky Way. Two of them are true and two are false.

#1: It takes the Sun about 220 million years to make one complete revolution around the center of our galaxy.

#2: Bright, young, metal-rich, stars are found primarily in the halo of our galaxy and not in the disk.

#3: Spiral density waves in the disk trigger star formation.

#4: The total mass of our galaxy is equal to the sum of the masses of all the stars, dust and gas in it.

Question: Which two of these statements are true?

- A) 1+2
- B) 1+3
- C) 1+4
- D) 2+3
- E) 2+4
- F) 3+4

Answer: B