

Name \_\_\_\_\_

## Stars and Constellations Facts and Myths Answer Key

1. **F - Fact:** Stars twinkle due to atmospheric turbulence.
2. **M - Myth:** Stars vary greatly in size, color, and brightness.
3. **F - Fact:** Orion's Belt contains three aligned stars.
4. **M - Myth:** Constellations are Earth-based patterns; from elsewhere, they would look different.
5. **F - Fact:** Polaris is aligned with Earth's axis and points north.
6. **F - Fact:** Stars are mostly hydrogen and helium undergoing fusion.
7. **F - Fact:** The Pleiades are famously known as the "Seven Sisters."
8. **F - Fact:** All visible stars to the naked eye are in the Milky Way.
9. **F - Fact:** Different cultures invented unique constellation stories.
10. **M - Myth:** Only very massive stars end as black holes; others become white dwarfs or neutron stars.

### Challenge Question (Sample Answer):

Myths gave ancient people explanations for natural phenomena and helped them remember star patterns. They used stories to guide farming, navigation, and cultural traditions.