

Name \_\_\_\_\_

## Black Hole Myth Busters: Fact or Fiction? Answer Key

1. **FALSE** – Corrected: Black holes don't "suck" like vacuum cleaners; they attract objects through gravity like any massive body.
2. **TRUE**
3. **FALSE** – Corrected: Black holes vary in size; they can be stellar, intermediate, or supermassive.
4. **TRUE**
5. **FALSE** – Corrected: If Earth turned into a black hole (same mass), it wouldn't change the orbits of other planets unless they got very close.
6. **FALSE** – Corrected: You can't see a black hole directly, but you can detect its effects on nearby matter.
7. **TRUE**
8. **TRUE**
9. **TRUE**
10. **FALSE** – Corrected: Once something crosses the event horizon, not even light can escape—it's the point of no return.