

1) Answer: B

Explanation: The sun is a yellow dwarf star based from Hertzsprung-Russell diagram.

2) Answer: C

Explanation: Outgassing happens when comets release gas as they come closer to the sun leading to the formation of long trails of gas and dust as they move.

3) Answer: D

Explanation: When a space body enters the Earth's atmosphere, we refer to that object as a meteor. If it's still in outer space, we call it a meteoroid. When the object reaches the Earth's surface, we now refer to it as a meteorite.

4) Answer: A

Explanation: The Milky Way galaxy is a spiral galaxy.

5) Answer: D

Explanation: A blackhole, which is a region in the universe where the force of gravity is strong enough that even light cannot escape, is formed when a star dies.