

How Do They Survive?

1. 🐻 Polar Bear – Extreme Cold Protection



Polar bear adaptations:

Hollow fur traps heat



Black skin absorbs warmth

Thick blubber insulates



Space suit connection:
Insulation layers

2. 🐢 Tardigrade – Surviving Space

Tardigrade adaptations:

- Survives radiation
- Survives vacuum of space
- Enters protective “tun” state
- Space suit connection: Radiation shielding & pressure survival



3. 🦔 Armadillo – Protective Armor

Armadillo adaptations:

- Flexible armor plating
- Protection while maintaining mobility

Space suit connection: Micrometeoroid protection with flexibility

