

Illustration 8.1 - The albedo effect

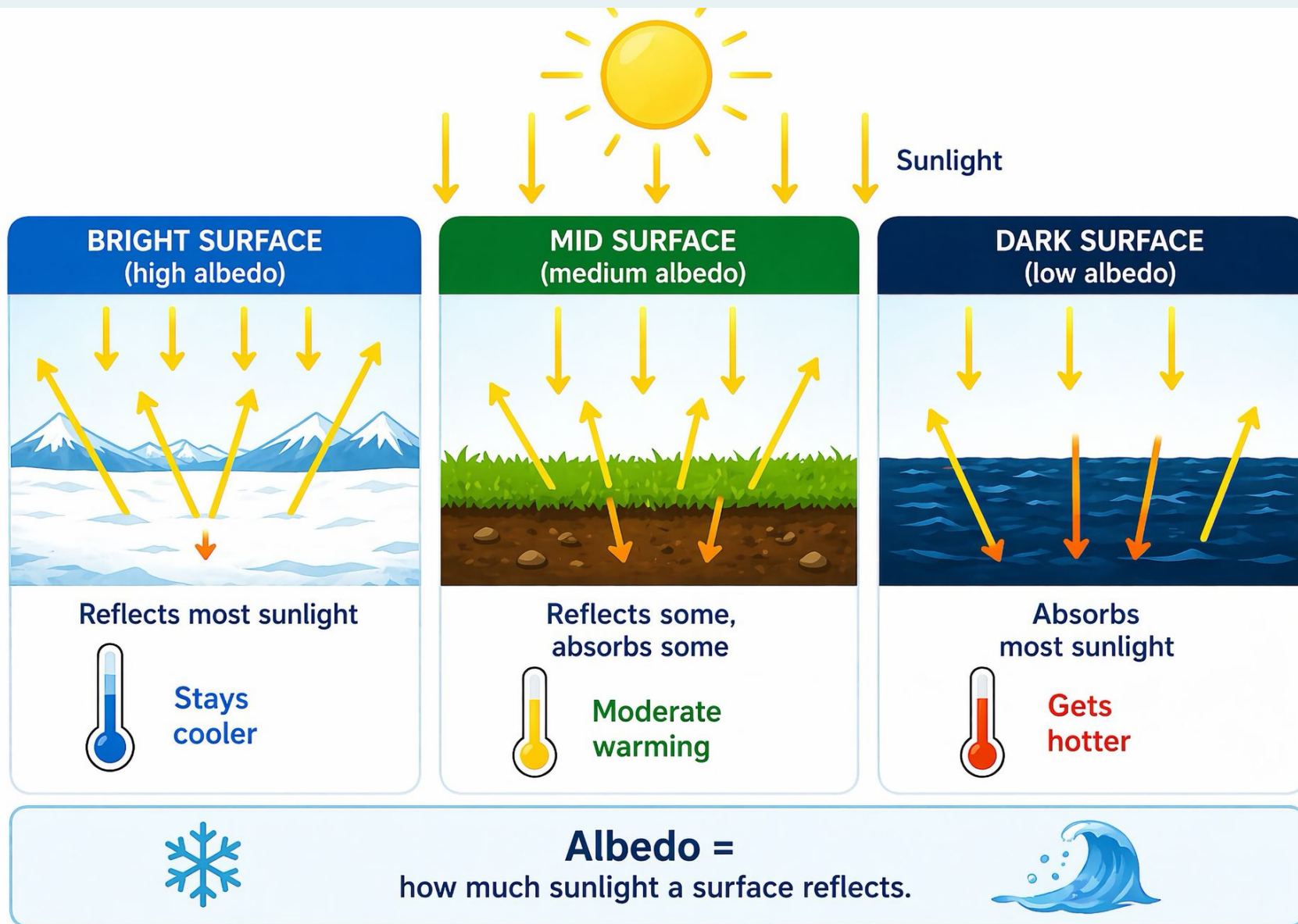
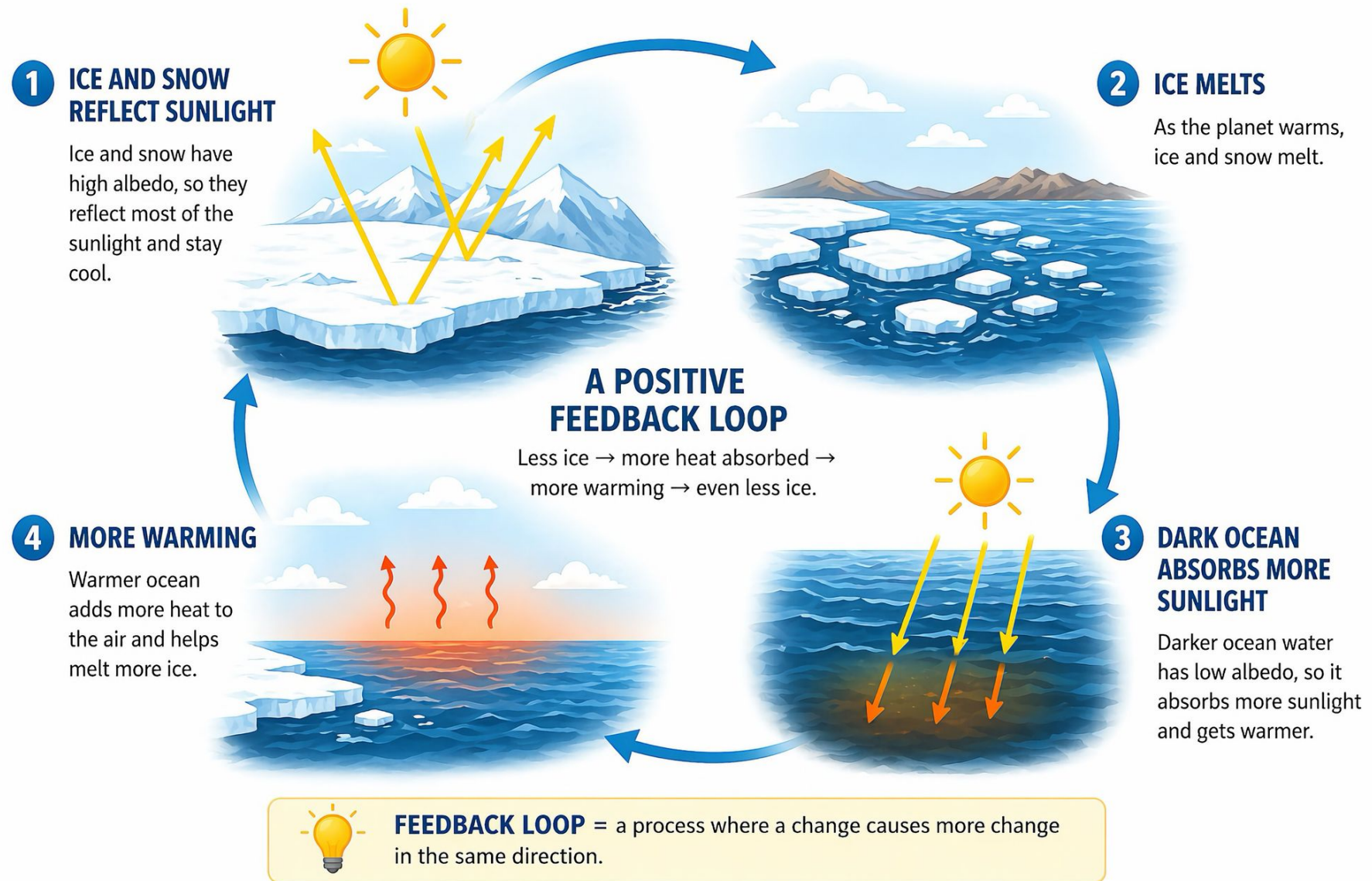


Illustration 8.2 - Ice albedo feedback



Classroom illustration - Four surfaces: compare their reflectivity

EARTH'S MIRROR

Which surfaces reflect more sunlight?



Asphalt



Grass



Concrete



Fresh snow

Rank the surfaces from most reflective to least reflective. Explain your choices.

Illustration 8.3 - Creating the albedo effect

1 HELPING THE ARCTIC

Ships spray a fine mist of seawater onto the ocean surface. As it freezes, it creates a thin, bright layer of ice that reflects more sunlight.



2 COOL BY DESIGN

White roofs and walls reflect sunlight, keeping buildings and communities cooler naturally.



ONE BRIGHT THING (OBT): Smart ideas that use reflectivity to cool our planet. Reflect more sunlight, absorb less heat, and make a real difference.

