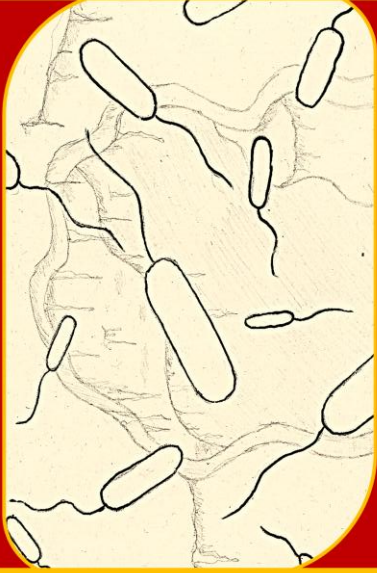
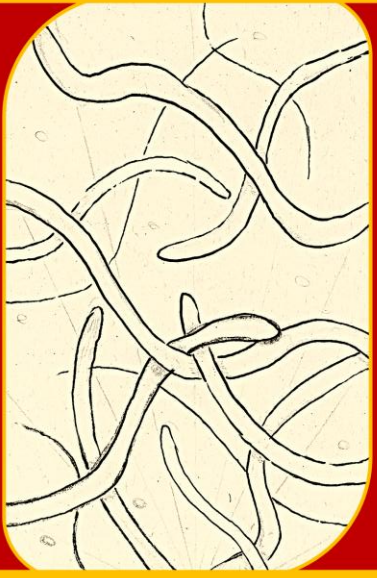


Acidithiobacillus thiooxidans



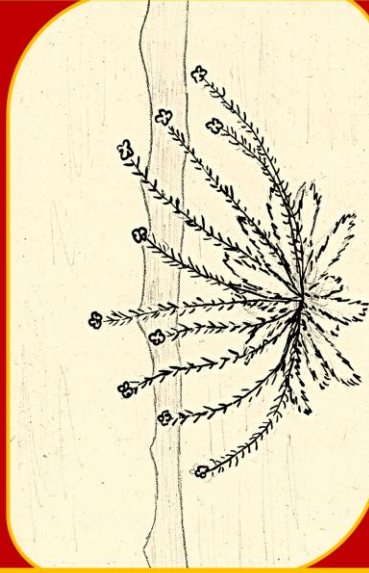
Domain:	Bacteria
Habitat:	Sulfide-rich caves
Adaptation:	Builds "snottites" of acidic waste products
Talent:	Acidophile (pH 0-1)

Chloroflexus aurantiacus



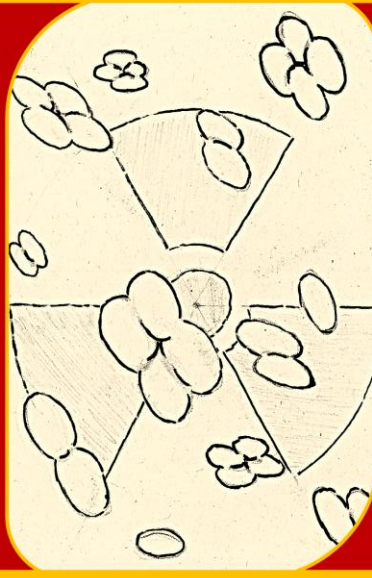
Domain:	Bacteria
Habitat:	Hot springs
Adaptation:	Can photosynthesise and respire
Talent:	Thermophile (30C – 70C)

Thellungiella salsuginea



Domain:	Eukaryote
Habitat:	Salty environments
Adaptation:	Special transporters keep out salt
Talent:	Halophile and Psychrophile

Deinococcus radiodurans



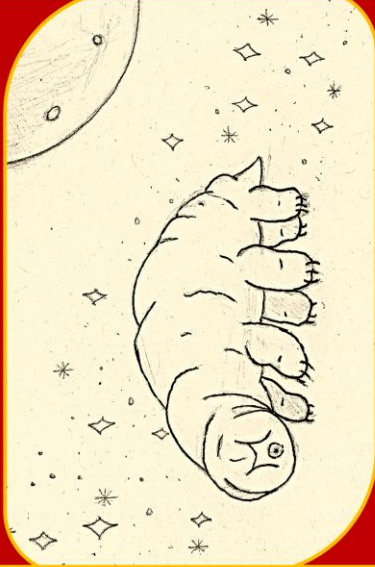
Domain:	Bacteria
Habitat:	Widespread
Adaptation:	Can rebuild its genome after DNA breaks
Talent:	Radioresistant (5000Gy)

Riftia pachyptila



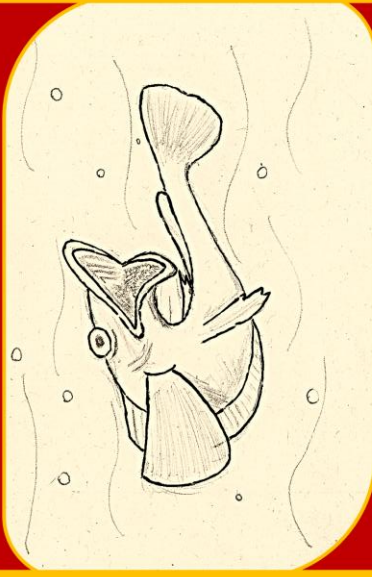
Domain:	Eukaryote
Habitat:	Deep sea, near vents
Adaptation:	Genes change in response to pressure
Talent:	Piezophile (high pressure)

Tardigrade



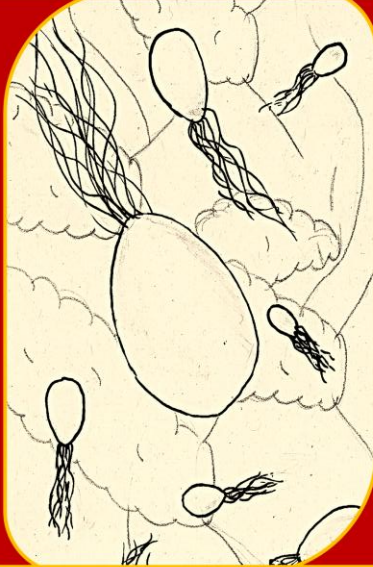
Domain:	Eukaryote
Habitat:	Wet environments
Adaptation:	Hibernation-like state (cryptobiosis)
Talent:	Can survive many extremes

Antarctic Ice Fishes



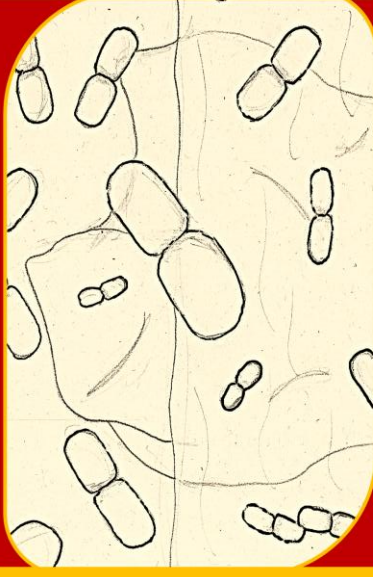
Domain:	Eukaryote
Habitat:	Southern Ocean
Adaptation:	Antifreeze proteins stop their blood freezing
Talent:	Psychrophile (-1.8C – 1.5C)

Pyrococcus furiosus



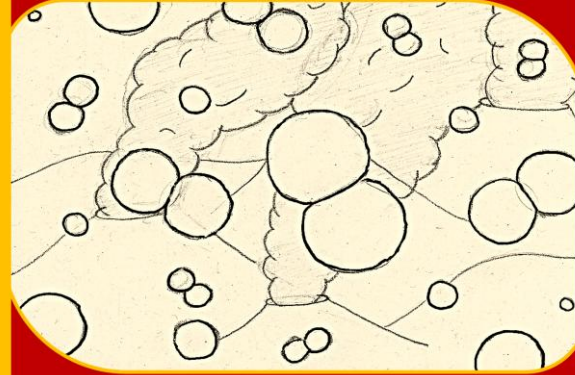
Domain:	Archaea
Habitat:	Hydrothermal vents
Adaptation:	Twists DNA so tight it can't unravel
Talent:	Hyperthermophile (100C)

Psychrobacter arcticus



Domain:	Bacteria
Habitat:	Very cold places
Adaptation:	Special enzymes keep membranes flexible
Talent:	Psychrophile (-10C)

Picrophilus torridus



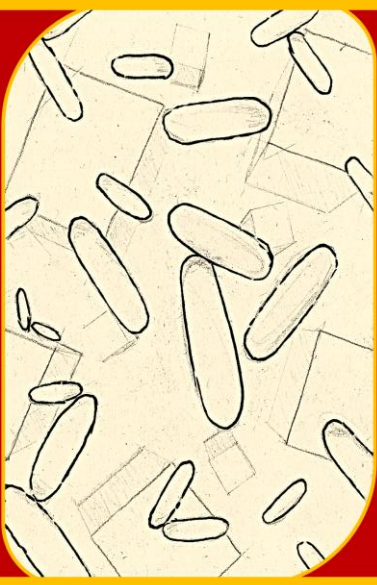
Domain:	Archaea
Habitat:	Acidic environments
Adaptation:	Acid-resistant cell membrane
Talent:	Acidophile (pH 0)

Cupriavidus metallidurans



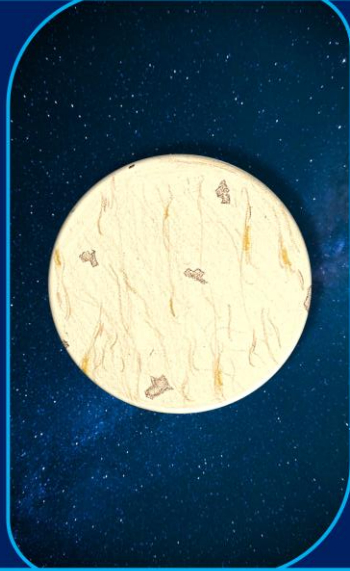
Domain:	Bacteria
Habitat:	Metal-rich soil/waste
Adaptation:	Proteins turn liquid metal to solid
Talent:	Metallophile (toxic metals)

Halobacterium salinarum



Domain:	Archaea
Habitat:	Salty lakes
Adaptation:	Special pumps balance salt inside and outside
Talent:	Halophile (10x ocean salt)

Velorum II



Surface Temperature:	15C to 45C
Terrain:	Desert, crystal sand dunes
Prominent Elements:	Silicon, aluminium, oxygen, titanium
Gravity:	0.9g

Zephyria Major



Surface Temperature:	-60C to -20C
Terrain:	Rocky, frozen methane seas
Prominent Elements:	Oxygen, carbon, nitrogen, californium
Gravity:	1.3g

Agares VI



Surface Temperature: -180°C to -150°C

Terrain: Icy surface, methane lakes

Prominent Elements: Nitrogen, methane, argon, neon

Gravity: 0.4g

Thessar Prime



Surface Temperature: 420°C to 480°C

Terrain: Rocky, volcanic, lava fields

Prominent Elements: Silicon, iron, sulfur, carbon

Gravity: 1.8g

Korvax III



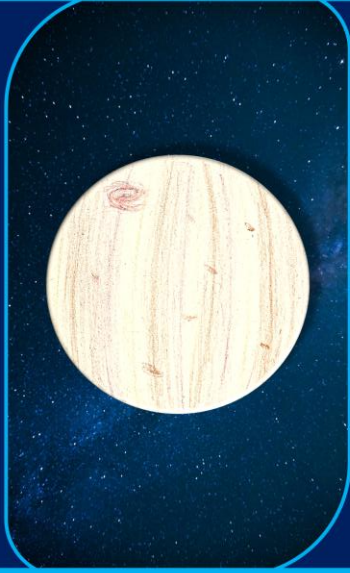
Surface Temperature: -90°C to 30°C

Terrain: 85% ocean, 2 continents

Prominent Elements: Oxygen, hydrogen, sodium, chlorine

Gravity: 1.1g

Draxis-9



Surface Temperature: -140°C (clouds)

Terrain: Gas giant, no solid surface

Prominent Elements: Hydrogen, helium, ammonia, phosphine

Gravity: 2.3g (clouds)