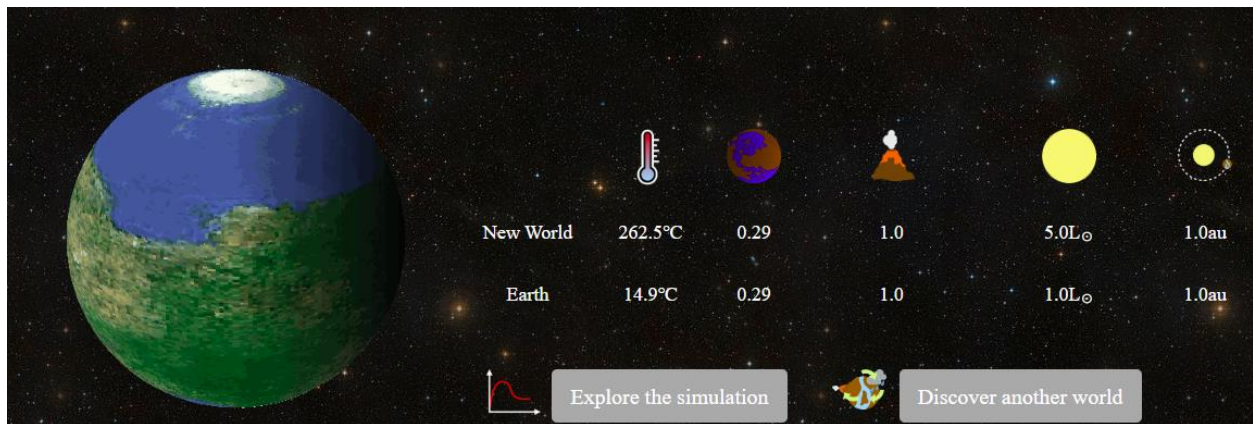
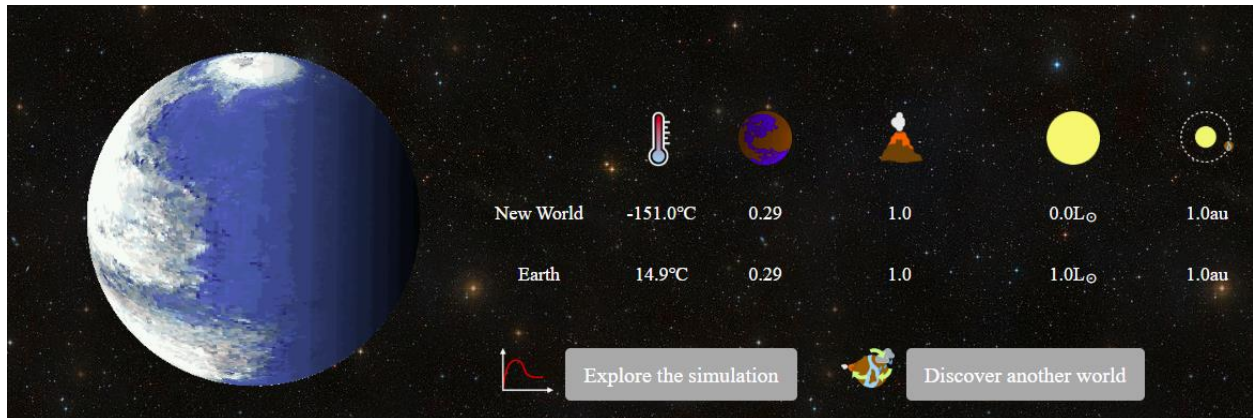
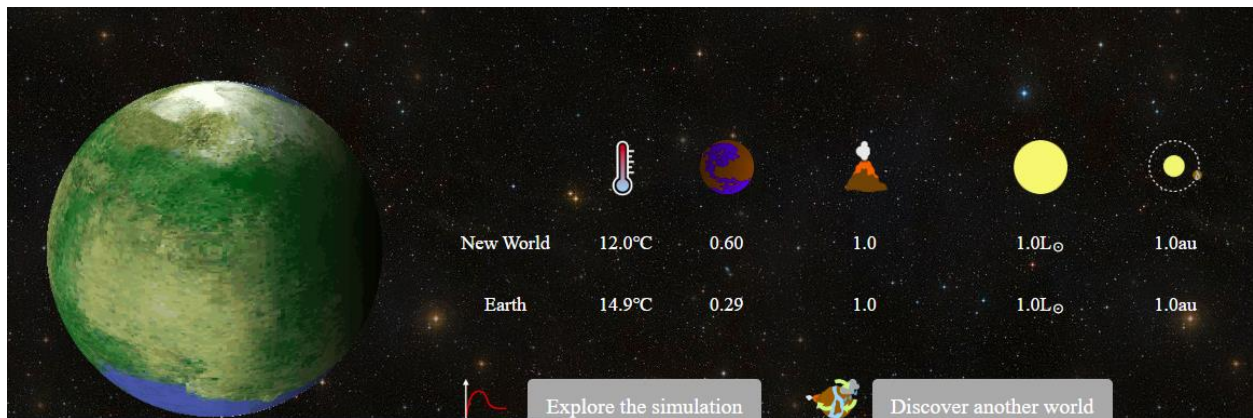


Assignment: Earth-Like Simulator

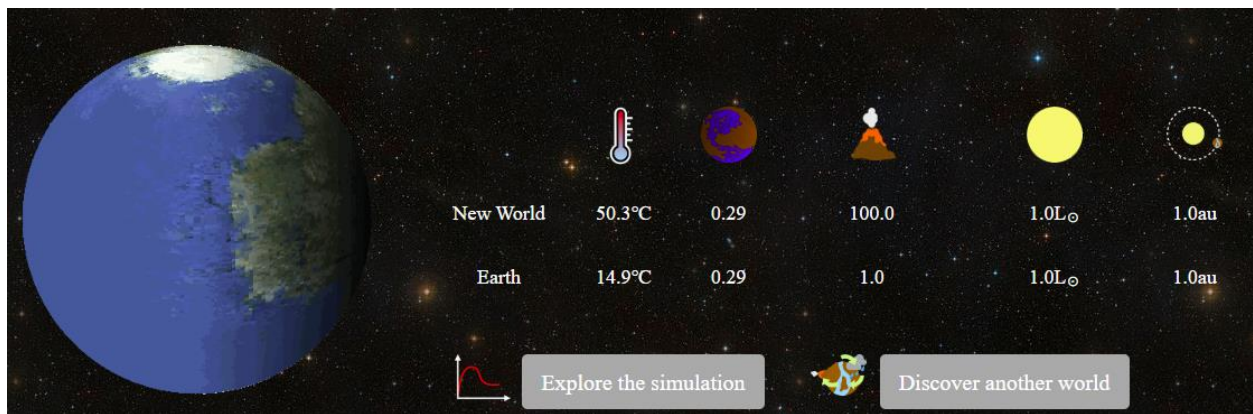
Q 1. What would Earth's average surface temperature be if the sun was a Red Dwarf (0.002 L) like Proxima Centauri? If it was a Yellow-White Dwarf (5 L)?



Q 2. How does change in the land cover fraction affect the average surface temperature of planet Earth?



Q 3. What do you expect the average surface temperature of the Earth to be if the rate of volcanism increases?



Q 4. What would Earth's climate be like if it was much closer to the Sun? What would the average surface temperature be if the planet was much farther from the Sun?

