

THE URBAN HEAT ISLAND EFFECT

refers to the higher temperatures in cities compared to surrounding areas.



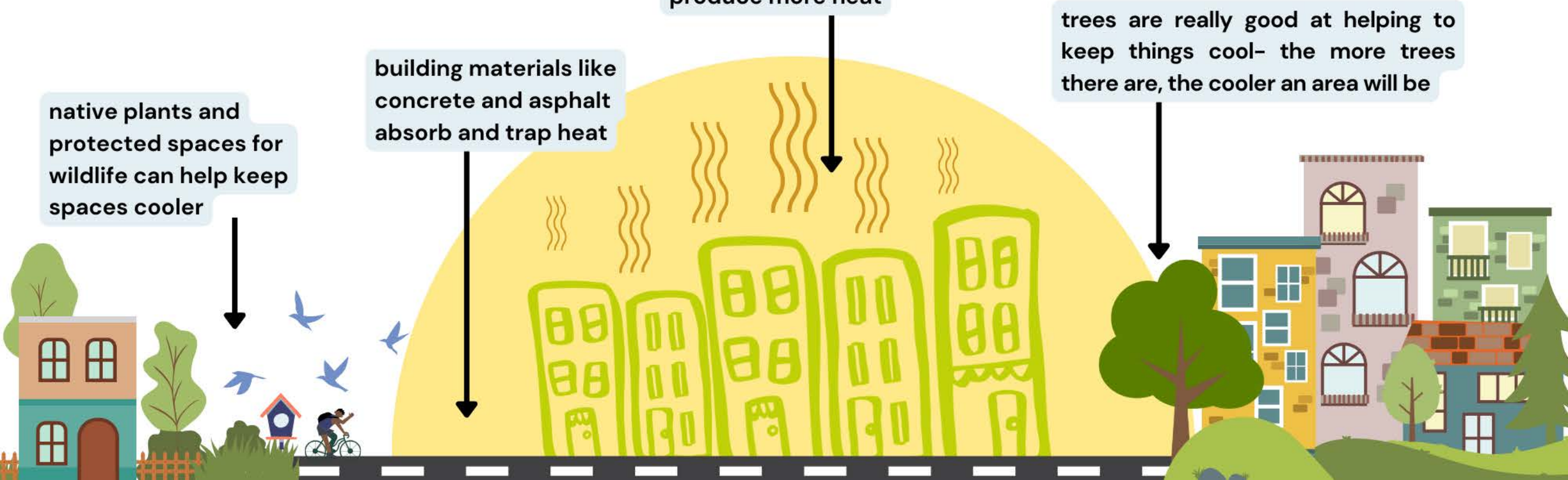
weather and the changing climate can worsen the heat island effect

lots of people moving around cities in cars can produce more heat

building materials like concrete and asphalt absorb and trap heat

trees are really good at helping to keep things cool- the more trees there are, the cooler an area will be

native plants and protected spaces for wildlife can help keep spaces cooler





HEAT ISLAND SCAVENGER HUNT

Use a thermometer to measure and record the temperatures of the spaces listed below in sunny and shady areas. Write down the time, weather, and other conditions. Look at your results to find patterns—what spaces are hotter or cooler? Write your findings below and think: How do your results show the heat island effect, and what does it mean for your community? Write two ideas to help keep your area cooler. Be safe and have fun!



ARTIFICIAL GRASS



SOIL/DIRT



SHADE FROM ONE TREE



SPLASHPAD



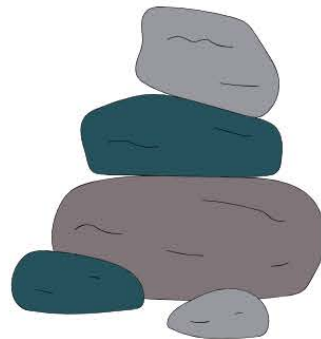
PLANTS/BUSHES



SIDEWALK



GRASS



STONES/ROCKS



SHADE FROM GROUPS OF TREES



PLAYGROUND