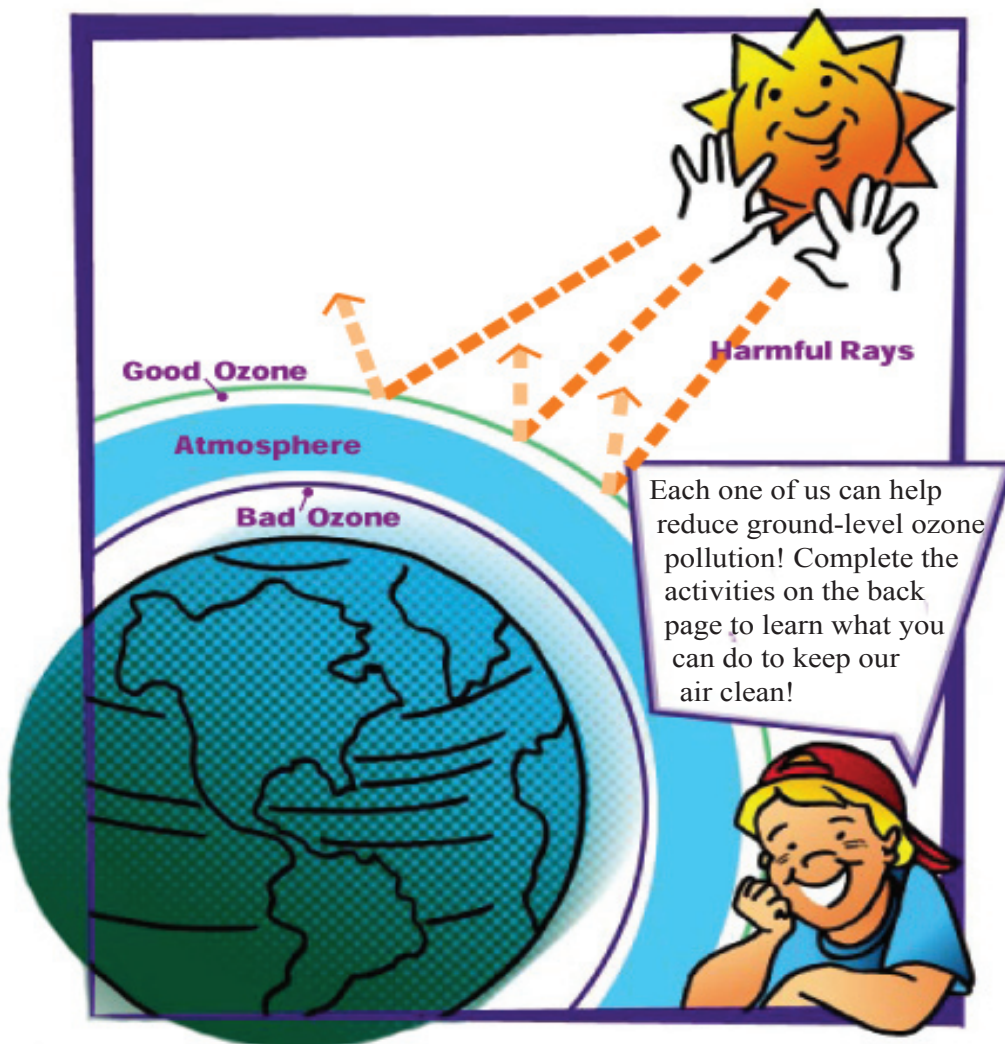


Good Up High, Bad Nearby

What is ozone? Ozone is a gas that occurs both in the Earth's upper atmosphere and at ground level. Ozone can be "good" or "bad" for your health and the environment, depending on its location in the atmosphere.

Spokane's summer heat makes it ideal for ozone pollution to form. Emissions from industry, automobiles, lawn mowers, and other small gasoline engines, and household products "bake" in the summer sun and hot temperatures, forming ozone. Breathing ozone pollution is harmful to your health.

It's important to know the difference between good and bad ozone. Though the chemical structure is always the same, where it occurs in the atmosphere can lead to vastly different impacts on human health and living creatures.



Bad ozone, also known as ground-level ozone or smog, forms at ground level. It makes the air dirty and hard to breathe, not only for people but also for plants and animals.

Good ozone forms high above the Earth, protecting us from harmful ultraviolet radiation.



Help reduce pollution every day!



Here are some tips from the Smoginator, the ozone superhero, to help reduce ground-level ozone:

- Make sure your parents are taking their vehicles in for scheduled tune-ups. Cars that are taken care of get better gas mileage and release fewer harmful chemicals into the air.
- Help your parents organize their list of errands into one trip. It saves money on gas and reduces pollution.
- Whenever you and your family can, carpool, ride the bus, walk, or bicycle to where you need to go to reduce the number of cars on the road.
- Wait until evening to mow the lawn when the sun isn't as bright and hot. Gas-powered mowers pollute less when it is cooler outside.
- Don't let your parents idle their car (sit with the engine running). Turn the car off if it's not going anywhere for more than 30 seconds.
- Refuel the car after 5 p.m., this helps keep gasoline vapors out of the air during the heat of the day, when ozone (smog) forms.

The Smoginator needs kids like you to improve Spokane's air! Try the fun activities below and see how much you've learned about bad ozone and how to prevent it.

Matching Sets

Draw a line to the picture that matches the words.

Ride Your Bike

Mow The Lawn on Cooler Days

Carpool

Ride The Bus

Tune Up Your Car

Refuel After 5 p.m.



Word Scramble

Unscramble these words.

1. LEDI
2. CPOALRO
3. AGSOTOMINR
4. TENU PU
5. SVAORP
6. GOSM
7. LUPINTOLO
8. LEMACICH
9. ILBCCYE
10. ENZOO

- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |