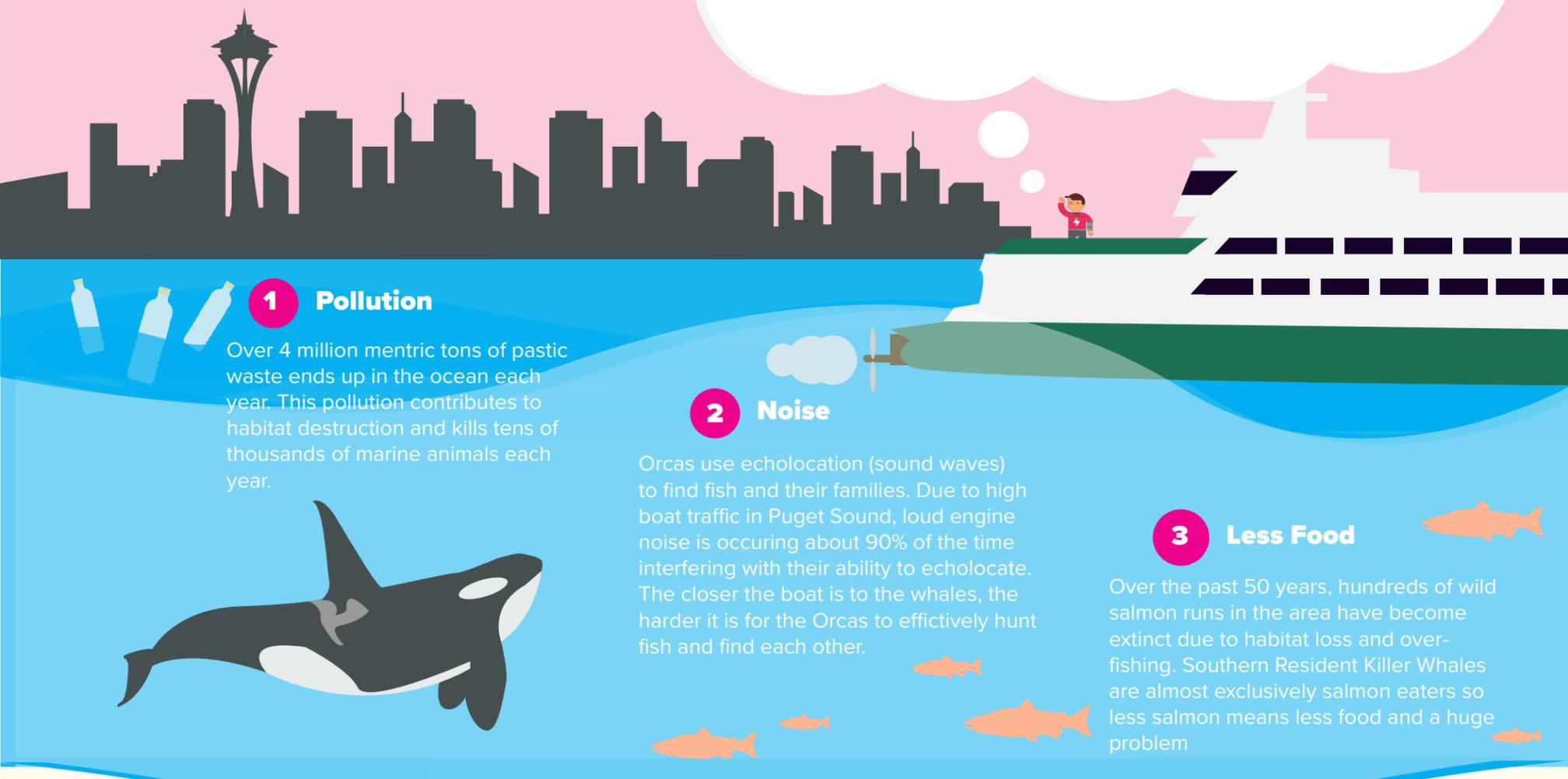


Why are there fewer orcas in the Puget Sound?



1 Pollution

Over 4 million metric tons of plastic waste ends up in the ocean each year. This pollution contributes to habitat destruction and kills tens of thousands of marine animals each year.

2 Noise

Orcas use echolocation (sound waves) to find fish and their families. Due to high boat traffic in Puget Sound, loud engine noise is occurring about 90% of the time interfering with their ability to echolocate. The closer the boat is to the whales, the harder it is for the Orcas to effectively hunt fish and find each other.

3 Less Food

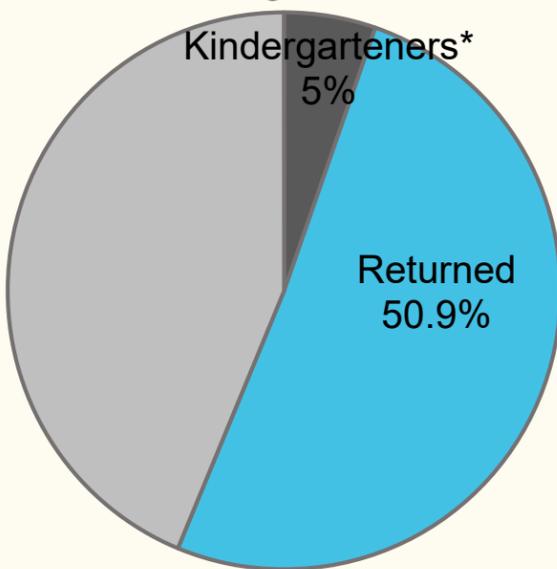
Over the past 50 years, hundreds of wild salmon runs in the area have become extinct due to habitat loss and over-fishing. Southern Resident Killer Whales are almost exclusively salmon eaters so less salmon means less food and a huge problem.

Excessive Water and Power usage also negatively affect orca habitat

With Killer Whale Tales' Kids Making a Difference Now! conservation activities,

3,569 students from 42 schools

participated in our program and made the following differences:



1817 of 3569 classroom students returned their Kids Making a Difference Now! Worksheets

*Kindergarteners are not required to complete KMAD worksheets

Reduced running water time while brushing their teeth by **6** seconds per participating student

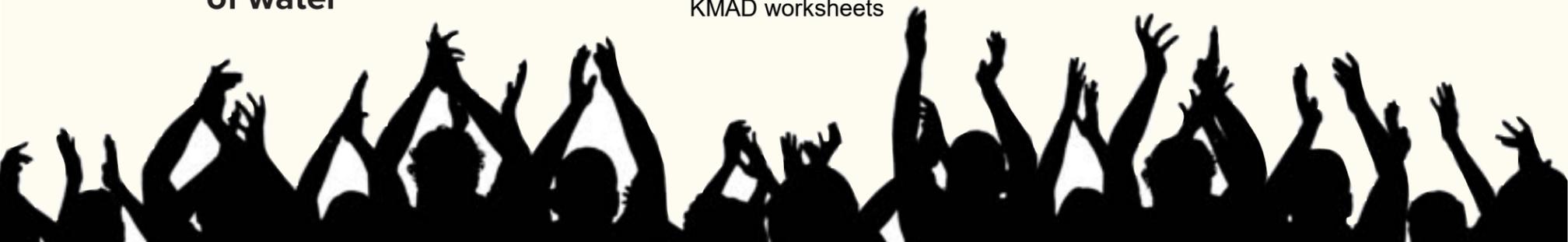
Reduced bath water levels by **0.7** inches per participating student

Reduced running water time while taking a shower by **2** minutes per participating student

Lowered their household thermostats by **4** degrees Fahrenheit per participating student

Unplugged and turned off **13,270** unused devices and lights

Conserving an estimated **20,076 gallons** of water



Great Job!

Estimates vary, but according to the USGS **each person in the US uses about 80-100 gallons of water per day.**



The largest use of household water is the toilet (flushing 9-19 gallons/person/day) followed by showers and baths. Other uses include washing clothes and dishes, brushing teeth, and drinking water.

The U.S. Government Accountability Office estimates that **U.S. drivers waste 1.2 Billion gallons of gasoline per year because of under-inflated tires.**



This increases harmful greenhouse gases in the air and pollutes our waters.

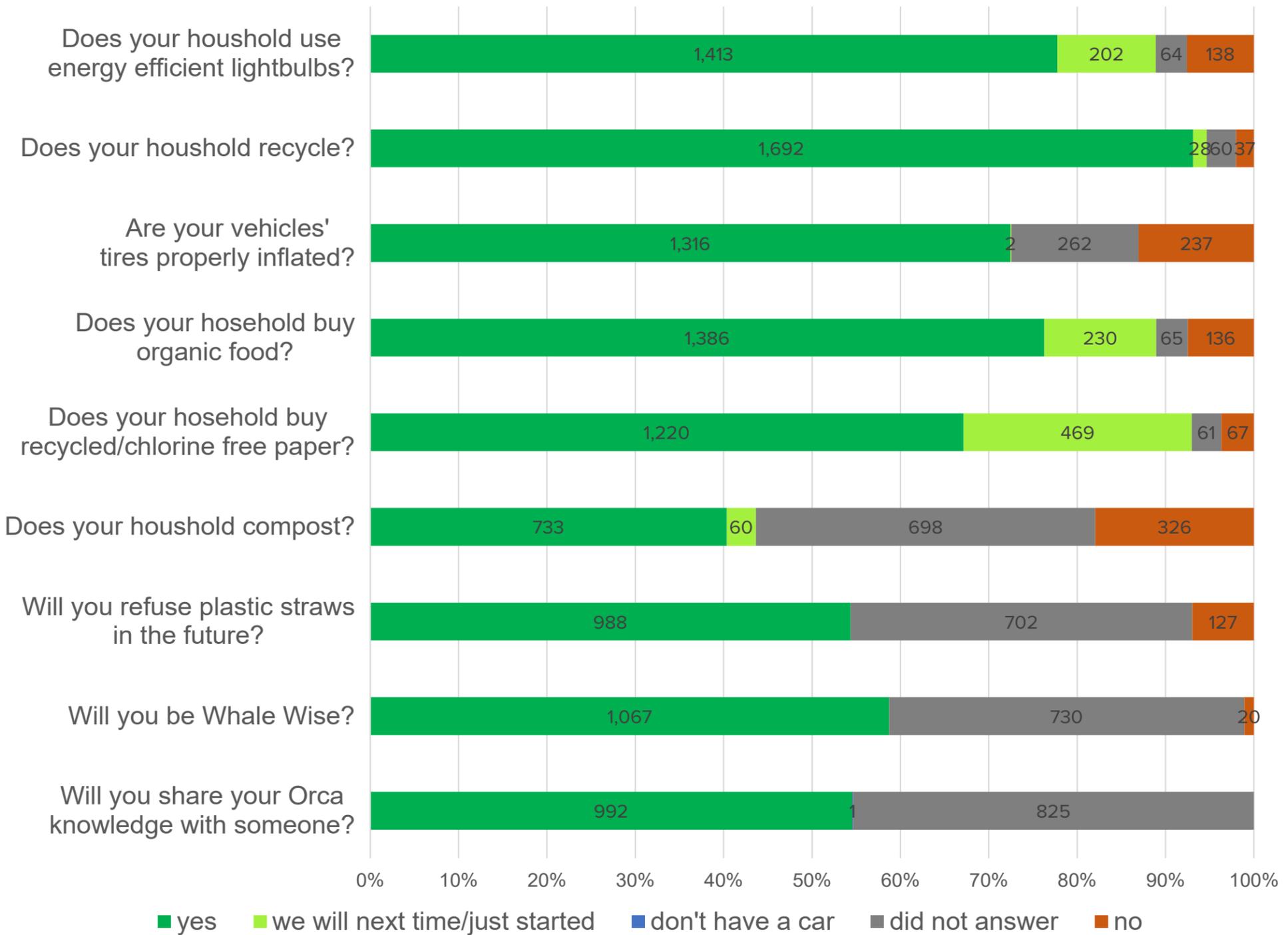
According to the EPA, **Americans generated about 254 million tons of trash in 2013** (about 4.4lbs per person per day).



Through recycling and composting 87 million tons (34.3%) of this material was kept out of landfills, preventing the release of ~186 million metric tons of carbon dioxide into the air.

With Killer Whale Tales' Kids Making a Difference Now! conservation activities, students reported the following:

1,817 students participating



Many classrooms/students did not receive KMAD worksheets that included the compost, plastic straw, Whale Wise, or Orca knowledge questions as these were new questions on this year's sheet.



Great Job!