

Environmental Education: Climate Action

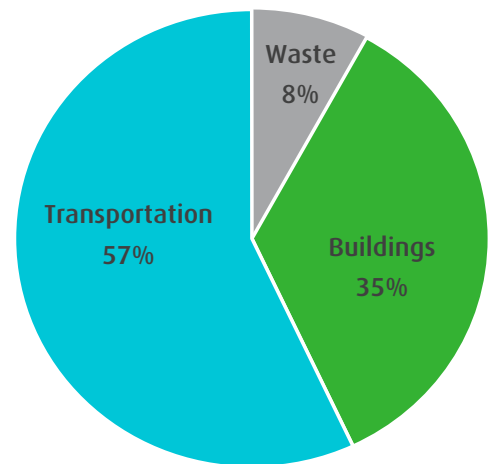
Transportation Choice Line Match

Background Information

Transportation is the region's greatest source of community greenhouse gas emissions (57%). Our transportation choices make a difference. The way we choose to travel has an impact on climate, air quality, road congestion and our health and wellness. If we all change a few trips a week to a mode of transportation with less emission we can make a difference.

Often times choosing a mode of transportation with less greenhouse gas (GHGs) emissions leads us to active travel. Active travel (walking, cycling, scooting, etc.) has many benefits beyond a reduction in GHGs. There is often overall physical and mental health benefits such as more energy, stronger heart, bones and muscles, lower stress levels, improved concentration and self-esteem and many more. Active transportation helps keep the environment and people healthy.

For more information about climate action in the region visit www.crd.bc.ca/climate.



2012 & 2010 Community Energy and Emissions Inventory

Instructions

On the sheet provided, match the mode of transportation to the kilograms (kg) of carbon dioxide emissions (CO₂e) produced per person per year. Values are based on an average round trip commute in the capital region (16 km). When matching the modes of transportation to the emissions produced, think about the type of energy or fuel used. Also keep in mind these values are based on per person, so modes of transportation that hold more passengers will have lower emissions.

Draw a line from the mode of transportation to the number of emissions produced. Use the answer key to check your answers.

Did you find any of the answers surprising?

Two of the transportation methods produce zero emissions. Can you think of other modes of travel that would have zero emissions?

Hint:



Expand and Connect

- Challenge yourself! Pick one trip a week and change your mode of travel to an option that has lower emissions than your usual choice. For example, if you usually take a car to the store, try bussing, cycling or walking instead.
- Complete more active travel activities. See our Move Your Feet and Neighbourhood Safety Scavenger Hunt activities at www.crd.bc.ca/students.

Transportation Choice Line Match

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Draw a line from the mode of transportation to the number of emissions produced.



SUV



Electric Bicycle



Electric Bus



Car (2 passengers)



Electric Car



Double Decker Bus

1709

574

13

0

1260

1

3

0

369

242

630



Bus



Motorcycle



Bicycle



Car (1 passenger)



Walking

ANSWER KEY: Transportation Choice Line Match

Can you match the mode of transportation to the kilograms (kg) of carbon dioxide emissions (CO₂e) produced per person per year? Values are based on an average round trip commute in the capital region (16 km). Remember it is per person, so modes of transportation that hold more passengers will have lower emissions.

Draw a line from the mode of transportation to the number of emissions produced.

