

Carbon Choices Forum Answer Key

Sample Answers

1. **emissions:** gases released into the air, especially from vehicles, buildings, or industry.
2. **carbon footprint:** the total amount of emissions caused by a person, place, or activity.
3. **vehicle miles traveled:** the total distance vehicles are driven, used to estimate traffic and emissions.
4. **energy efficiency:** using less energy to get the same result, like heating a home with less waste.
5. **economic trade-offs:** choices that involve benefits and costs, especially money related impacts.
6. **compliance:** meeting rules or requirements set by the policy.
7. **implementation:** putting the plan into action over time.
8. **emissions inventories:** records or measurements that track how much emissions are produced.
9. **carbon pricing:** charging a fee for emissions to encourage reducing pollution.
10. **market signal:** a financial message that influences behavior, such as prices pushing people toward cleaner options.

Vocabulary Analysis Questions (Sample Answers)

1. The passage links public health to emissions reduction by noting that areas near busy roads have higher asthma rates, and cutting emissions through transit changes could improve air quality.
2. It implies companies might raise prices to cover the fee, so the cost could end up affecting shoppers and riders rather than only polluters.
3. Larger suggests expanding the transit system in size, while reliable emphasizes consistent service and maintenance so people can depend on it daily.
4. **economic trade-offs** and **compliance** show this tension because they focus on costs, regulations, and the financial burden of meeting policy requirements.