

Energy Resources Quiz

Time: 20 min. 8 questions.

Instructions

Answer each question in the space provided. Read each question carefully before choosing or writing your answer. You may use your class notes or anchor chart if your teacher allows it.

Questions

- Which of the following is a renewable energy resource?
A) Coal
B) Natural gas
C) Wind
D) Oil
([Knowledge](#))
- True or False: Non-renewable energy resources can be naturally replenished within just a few years.
([Knowledge](#))
- Name two renewable energy resources that Alberta uses to meet its energy needs. ([Knowledge](#))
- According to recent Canadian data, fossil fuels generated what percentage of Canada's electricity in 2025? ([PDF p.5](#))
- Which energy resource is produced by splitting atoms apart, a process called nuclear fission?
A) Biomass
B) Nuclear
C) Tidal
D) Geothermal
([PDF p.5](#))
- True or False: Alberta relies only on renewable energy resources to meet its energy needs.
([Knowledge](#))
- Give one advantage or one disadvantage of using non-renewable energy resources, such as fossil fuels. ([Skills](#))
- In 2025, nuclear energy generated what percentage of Canada's electricity? ([PDF p.5](#))

Curriculum coverage

Question	Outcome alias
1	Knowledge
2	Knowledge
3	Knowledge
4	PDF p.5
5	PDF p.5
6	Knowledge
7	Skills
8	PDF p.5

Answer key

1. C) Wind. Wind is listed as a renewable energy resource, while coal, natural gas, and oil are fossil fuels and therefore non-renewable ([Knowledge](#)).
2. False. Non-renewable energy resources are depleted over time because they will not be naturally replenished for thousands or millions of years ([Knowledge](#)).
3. Any two of: fossil fuels, water and hydro, wind, biomass. Alberta relies on both renewable and non-renewable resources, and water/hydro, wind, and biomass are the renewable ones listed for Alberta ([Knowledge](#)).
4. 19.2%. Fossil fuels generated 19.2% of Canada's electricity in 2025 ([PDF p.5](#)).
5. B) Nuclear. Nuclear energy comes from splitting atoms apart, a process called nuclear fission, which heats water to produce steam that spins turbines ([PDF p.5](#)).
6. False. Alberta relies on both renewable and non-renewable energy resources, including fossil fuels, water and hydro, wind, and biomass ([Knowledge](#)).
7. Any reasonable answer, such as: fossil fuels supply reliable heat and electricity to many Canadians (advantage), or fossil fuels will eventually run out and are not naturally replenished for thousands or millions of years (disadvantage) ([Skills](#)).
8. 12.9%. Nuclear energy generated 12.9% of Canada's electricity in 2025 ([PDF p.5](#)).