



# ENERGY EDUCATION TOOL KIT

BY INSIDE EDUCATION

## JUNIOR/SENIOR

## Natural Resource Riddle

**#1**

Photovoltaic cells produce the electricity from this renewable natural resource. The Prairie provinces have the highest potential in Canada for producing electricity from this resource.



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**#2**

About 99% of the electricity produced on Prince Edward Island comes from this resource. In Alberta it's the fastest growing form of renewable energy.



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## Natural Resource Riddle

# #3

More electricity is produced from this natural resource in Canada than all the other resources combined. This resource is renewable, but can leave a significant footprint on the surrounding ecosystem.



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## Natural Resource Riddle

# #4

This energy source takes organic waste materials and uses them to produce electricity. British Columbia is the number one producer of this type of energy, with forestry byproducts as the main fuel source.



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## Natural Resource Riddle

**#5**

This natural resource is mainly mined in Saskatchewan, but five out of the six power stations that use this resource are located in Ontario (*the sixth is in New Brunswick!*). Spent fuel from the use of this resource needs to be stored for a long period of time with extensive monitoring.



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**#6**

100% of Nunavut's electricity comes from this natural resource<sup>5</sup>, which is distilled to make diesel, gasoline, and many other products.



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## Natural Resource Riddle

**#7**

This natural resource is made from ancient plants and animals, and today is found in giant reservoirs underneath the ground. It is the cleanest-burning fossil fuel, and has replaced coal in Alberta.



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## Natural Resource Riddle

**#8**

This natural resource comes from ancient plants and animals and has historically provided most of Alberta's electricity. It has been phased out of electricity production due to its contribution to climate change, but is still being mined for the purposes of steel-making.



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## Natural Resource Riddle

**#9**

This resource is in the early stages of electricity production in Alberta and is used at some residences and businesses for heating and cooling. This type of energy involves the transfer of heat from/to the earth, and decommissioned oil wells are being explored as a way to access it.