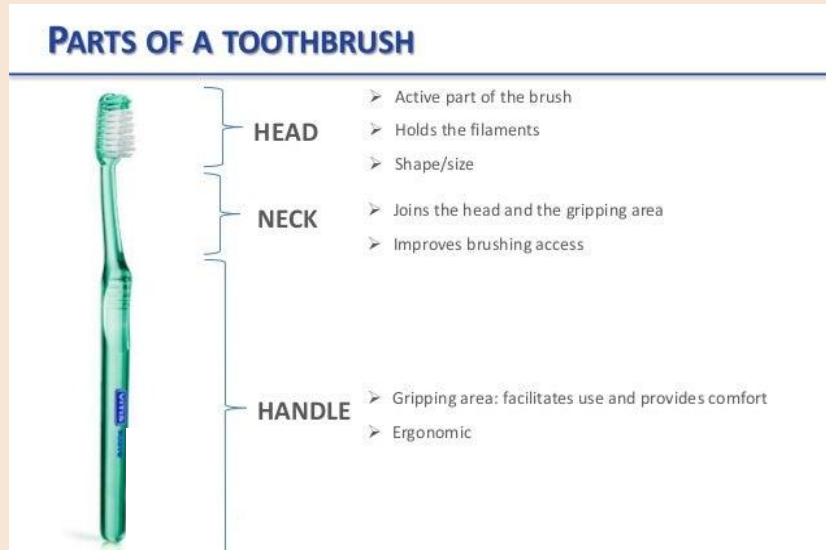


# *Toothbrushes*

By : Jennifer XU

# What is a toothbrush?

A toothbrush is an item that you use daily to brush your teeth with. The toothbrush has 4 parts: the head ( where the bristles are ), The neck, the handle, and the bristles. The head, neck, and handle are usually made out of Polypropylene &/or Polyethylene, while the bristles are made out of nylon. There are 2 main types of toothbrushes; electric & manual, toothbrushes can also be made of bamboo.



# Materials:

1

nylon

2

Polyethylene



3

Polypropylene



# About the materials



## Nylon

Nylon is a plastic material composed of polyamides of high molecular weight and usually, but not always, manufactured as a fibre. It is considered a non-renewable material because it is made of crude oil. Nylon was invented in the 1930s by Wallace Carothers, an American chemist.



## Polypropylene

Polypropylene is a soft, flexible type of plastic that is considered safer than other plastics. Polypropylene is made out of crude oil, but it's still renewable/recyclable because of the way it got made. It is also one of the easiest plastics to recycle, polypropylene is mostly used for yogurt cups, & Water bottles that have a cloudy finish.



## Polyethylene

Polyethylene, just like polypropylene, is made out of crude oil, but is not a non-renewable resource. It can be melted and reformed over and over again, so it is considered as a recyclable/renewable material.



# Non renewable resources:

The non-renewable resource in a toothbrush is...

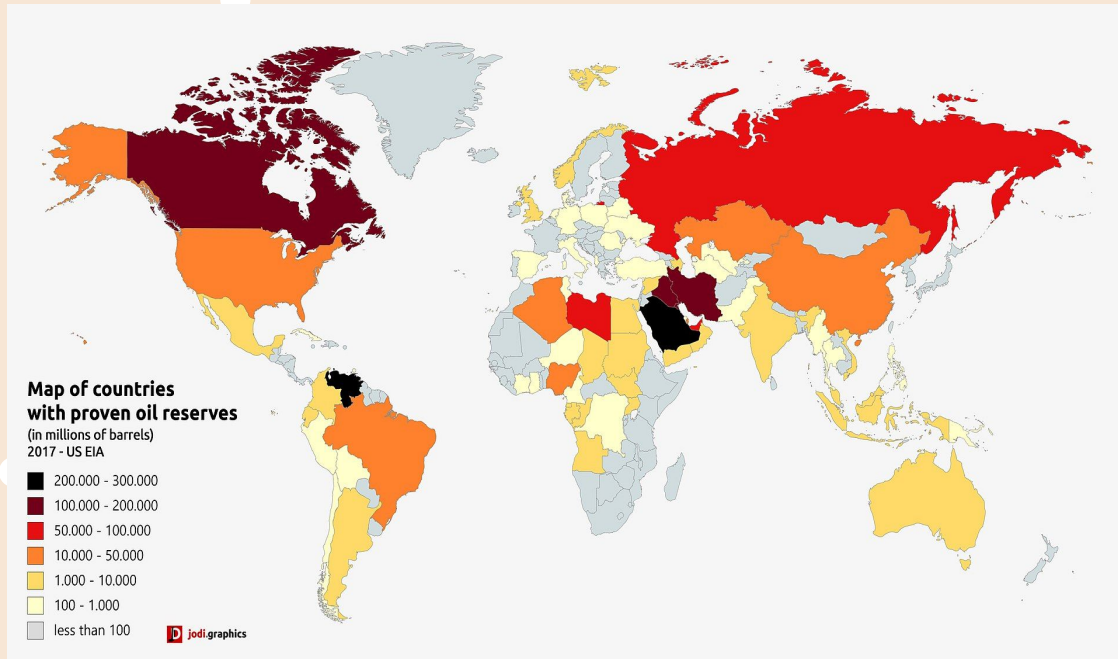


# What is Crude oil?

*Crude oil (a.k.a. Petroleum) is a type of fossil fuel that comes from the remains of dead organisms. When organisms die, layers of sedimentary rock cover up their bodies. Over millions of years, the heat & pressure converted these organisms into oil. Oil is found underground, there are many layers of rock over it. It is most commonly retracted by using a well to drill into the surface. Crude Oil is classified as a nonrenewable resource because it takes thousands of years to form.*



# WHERE CAN CRUDE OIL BE FOUND?



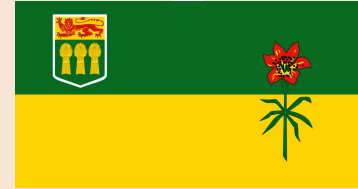
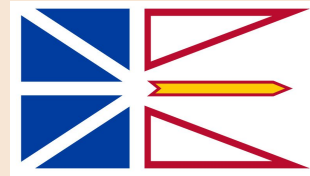
Crude oil can be found anywhere in the world, based on this map, the top 5 largest producing countries are Venezuela, Saudi Arabia, Canada, Iraq, & Iran.



## WHERE CAN CRUDE OIL BE FOUND IN CANADA?



Most oil in Canada are produced in Alberta, Saskatchewan, & Newfoundland and Labrador, Alberta produces the most, with Saskatchewan 2nd & Newfoundland and Labrador 3rd.





# Fun facts!

Oil is used to create medicine, recreational sports items, and cosmetics.

In the past 25 years, there have been more than two dozen oil spills in the US.

Oil is also referred to as "Texas Tea" and "Black Gold."

# websites & sources of information

- Google slides
- wikipedia
- Google
- Youtube
- Britannica

Thanks for viewing/listening!

Thank  
you!

