

## Nuclear Power Plants



### *Guiding Questions*

How does a nuclear power plant work? Include the major parts and their purpose?

How many nuclear power plants are there in United States today? How many are world-wide?

What is the closest nuclear power plant to Maine?

What percentage of the electricity in the United States comes from Nuclear Power? What is the percentage worldwide?

List *at least* two reasons why nuclear power is a better energy source than coal or oil.

List *at least* two reasons why nuclear power is dangerous.

What is the "fuel" that is used in Nuclear plants today? What is its half-life?

What is Yucca mountains connection to nuclear power plants?

*Opinion:* When we build a new power plant in the United States should it be nuclear? Justify your answer.

### *Links to Get Started*

<http://www.world-nuclear.org/info/inf41.html>

[http://www.huffingtonpost.com/2010/11/15/the-case-for-and-against-\\_n\\_781567.html#s178811&title=Con\\_Its\\_Safety](http://www.huffingtonpost.com/2010/11/15/the-case-for-and-against-_n_781567.html#s178811&title=Con_Its_Safety)

<http://www.howstuffworks.com/nuclear-power.htm>