Name:

Date:

Simulation—Nuclear Technology

1. Who is the only country to use a nuclear weapon?
2. What were the results of that nuclear weapons use?
3. What happened at Chernobyl?
4. What were the results of the Chernobyl disaster?
5. What happened at the Fukushima power plant in Japan in 2011?
6. What were the results of the Fukushima disaster?
7. How much global energy comes from nuclear energy?
8. What countries have nuclear weapons programs, and how many are each of those countries believed to have? <https://www.armscontrol.org/factsheets/Nuclearweaponswhohaswhat>
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1. Look at the Who Can Develop Them section. What does the nuclear non-proliferation treaty say? <https://www.bbc.com/news/newsbeat-51091897>
2. Same link: What countries with nuclear weapons have not signed the Nuclear Non-Proliferation Treaty?
3. What are sanctions?
4. Look at the Where Does Iran Fit In section. Referencing both President Obama’s 2015 agreement and President Trump, what is up with Iran and nuclear weapons? (FYI—Obama was going to lift sanctions on Iran in exchange for them giving up their nuclear program).
5. Take a guess: Aside from Iran, what other country do you think the United States has sanctioned for their nuclear program?
6. Go to page 19 of this document (from a failed UN treaty): <https://treaties.un.org/doc/Treaties/2017/07/20170707%2003-42%20PM/Ch_XXVI_9.pdf>
7. I told you that the United Nations writes these just like we do.
8. Go to page 21. Describe section 1a in your own words:
9. What does 1b mean:
10. What does 1d mean:
11. Read the first sentence of Article 4. What does it mean in your own words?
12. Do you think your country would support this treaty? Why or why not?
13. What countries use the most nuclear energy? <https://world-nuclear.org/information-library/current-and-future-generation/nuclear-power-in-the-world-today.aspx>
14. What countries are phasing out nuclear energy? Look at the 2016 paragraph (I know it’s Wikipedia, but I checked it for accuracy) <https://en.wikipedia.org/wiki/Nuclear_power_phase-out>
15. Why is Germany shutting down its nuclear power plants? <https://www.industrytap.com/germany-is-shutting-down-its-nuclear-plants/61455>
16. Look at page 8 of this document, then look at the Total System LCOE or LCOS column. How does the cost of nuclear energy compare to the cost of other energy sources? <https://www.eia.gov/outlooks/aeo/pdf/electricity_generation.pdf>
17. Does your country use nuclear energy? How much? Do they have plans to increase/decrease it moving forward?
18. Use this link to find three arguments that you think your country would make (think about whether your country likes nuclear energy or not). <https://alternativeenergy.procon.org/questions/should-nuclear-energy-be-used-to-achieve-net-zero-carbon/>
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1. Google your country’s GDP per capita. Would you call your country wealthy or poor? Explain.
2. What do you think are your country’s main allies in this simulation? Why? (Think about military alliances, similar history/culture, etc). Explain your answer.
3. What do you think are your country’s main enemies in this simulation? (Think about past conflict, current disagreements, cultural differences, etc). Explain your answer.

1. What does your country want to see happen with nuclear weapons in this simulation? Explain.
2. What does your country want to see happen with nuclear energy in this simulation? Explain.