

FILM ASSIGNMENT: *Before the Flood*

FIRST... Read these questions through before watching the film. Then, answer DURING the film.

1) Name the United Nations Secretary General in the film	Ban Ki-Moon
2) Name one dangerous new source of fossil fuels mentioned by Michael Brune	Fracking, Mountain top removal, off-shore drilling, tar sands
3) How do we get oil come from tar sands?	Steam wash the sand, creating much water pollution
4) What is the marine animal, whose population is in decline, the people watch off the coast of Baffin Island	Narwhal
5) How much ice has melted in the last 5 years in Greenland (how deep or volume)?	30' deep or 100's of cubic kilometers
6) Name one of the cities facing sea-level rise problems.	Miami, Boston, New Orleans and Long Beach, CA
7) What US Senator said, "Global warming is the greatest hoax ever perpetrated on the American people."	Senator James Inhofe (R-OK), chair of the US Senate Committee on the Environment
8) What country is <u>now</u> the number one green house gas polluter?	China
9) India, the 3rd highest polluter, agrees that climate change is an important topic, but what other energy issue is also a problem?	Lack of energy for many Indian citizens, more energy needs, blackouts, darkness, need for continued economic development
10) The onion farmer lost his crops when what percentage of the entire years rain fell in just 5 hours?	50% or the annual rainfall occurred in 5 hours
11) What problem is facing the Southern Pacific Islands of Kiribati and Palau?	Sea level rise

12) How many people depend on fish from around coral reefs for protein?	About 1 Billion people
13) There are 3 main tropical rainforests: The Amazon in South America; The Congo Basin in Africa and...?	Indonesia in South East Asia, Sumatra is shown
14) What oil is the reason for the clear cutting of rainforest in this area?	Palm Oil
15) In the US, 47% of land is used for growing food. What is the percentage of this is JUST for growing feed for cattle (beef)?	70% of US food production land is for cattle
16) According to Elon Musk (SpaceX, Tesla), how many <i>Gigafactories</i> (battery factories) would we need to meet the world demand?	100 Gigafactory sized facilities
17) According to economist Gregory Mankiw, Carbon Taxes are not likely to become the law now why?	Politics, greed, corporate influence, will of the people, new administration
18) According to Secretary of State John Kerry, what was the key to a successful outcome at the Paris Climate Summit?	The US and China agreeing to both countries announcing intended reduction in GHG emissions.
19) What country, in 2015) became the first fossil fuel free nation?	Sweden
20) President Obama was pleased that the Paris Climate Summit resulted in an agreement but he worried about what?	That they didn't go far enough.
21) Astronaut Peter Sellers described the Earth's atmosphere as "...a tiny little O _ _ _ _ S _ _ _ around the Earth."	Onion Skin
22) Climate models display several scenarios, including persistent drought in Syria. This has added to what ongoing problem?	War, refugees, starvation