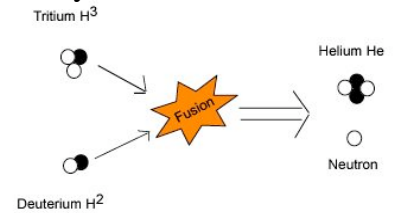


# Aneutronic Fusion - Concept Monitor

1. **Word association** – in a few words or phrases, what do you think when you hear the following:

- Fusion
- Nuclear Fusion
- Aneutronic Fusion



2. I'm going to explain "**aneutronic fusion**" to you using the following methods. Let me know which worked best/how to improve the explanation.

- a picture
- a metaphor about stagecoaches and starships.
- Other \_\_\_\_\_



3. Which of the following **environmental paradigms** is closest to your own:

- Earth has limited resources and we must learn to live within our means. To do so, humanity must evolve so that we can share everything fairly, and we must adopt rules to ensure that others respect limited resources.
- Environmental problems are overstated and the market will find solutions, but if it comes down to limited resources, I am armed and will make sure I get my share even if others don't.
- By focusing in a zero sum way on the resources of our planet, we are missing the bigger picture. The universe is a large and inefficient place. The sun, a giant nuclear reactor in space which will one day explode, burns enough fuel every second to warm a (thousand? Million?) planets, but only one receives its benefit. There's all this empty space, which could be teeming with life. I can't help but feel that despite our flaws, we have intelligence yet to leverage. We have a duty to crack the secrets of the universe, (plasma is 99% of the matter of the universe – stars are all made up of it our planet is a chilly anomaly). If we crack the mysteries of the universe, we may be launched to a whole different level of environmentalism – one where we can terraform, or make ringworlds, or who knows what, multiplying life throughout space, creating habitat from cold, empty rocks...but I'm getting ahead of myself. First we have to figure out how to get fusion to work without the mass of a star, right? Just doing that will tell us a lot about the universe. It will also solve our current environmental problems, and then infinity and beyond! Boo-ya! If only more people with all their intelligence would focus on this.
- Don't be ridiculous. We'll never figure that stuff out. The universe is what it is! Get your head out of the sci-fi bin! Stars. Phhhht. Fusion is oversold, we're stuck with our current problem set, stop distracting us.
- Other \_\_\_\_\_

# Fusion Confidence Monitor

I'm going to explain a bit about the current state of fusion research. Then, read the following 5 statements. On a scale of 1 to 10, how closely do these statements reflect your thoughts on the matter? Circle the number.

One (1) = not at all; ten (10) = absolutely.

**Concern:** "I worry that diverse, potentially faster routes to fusion, which promise to provide clean, abundant energy for mankind, are not adequately supported and that without dedicated pursuit, we won't achieve fusion."

1    2    3    4    5    6    7    8    9    10

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**Commitment:** "I am personally making a significant effort to support fusion research." (If you're not and would like to, find out more at <http://focusfusion.org>)

1    2    3    4    5    6    7    8    9    10

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**Optimism:** I think that practical, cheap, clean net energy from fusion will be developed within my lifetime.

1    2    3    4    5    6    7    8    9    10

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**Confidence:** Those who should be doing something about fusion research are doing so (scientists, researchers, policy makers, fund raisers).

1    2    3    4    5    6    7    8    9    10

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**Final Policy Question:** "It is important to ensure comprehensive funding for DIVERSE approaches to fusion, and I want my political representatives to know that."

1    2    3    4    5    6    7    8    9    10

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**Suggestions:** Do you have any suggestions of how to get fusion to happen faster?