**SSC2030 ‘reading’ quiz:   
Jennifer Wilcox TED talk: A new way to remove CO2 from the atmosphere[[1]](#footnote-1)**

1. What’s the first challenge of capturing CO2 out of room air?

2. What is Wilcox’s argument ‘against’ accelerating natural carbon storage through plant growth and natural sequestration?

3. What analogy does Wilcox use for chemically manufactured carbon capture technology?

4. What are the two approaches to creating this synthetic forest?

5. What does the chemical do to the CO2?

6. What is required to recycle the chemical material that captures the CO2?

7. What is the scale of the energy required (to create the heat) and capture 1 million tons of CO2 from the air?

8. What is the cost of this carbon capture process?

9. So, synthetic forests are super expensive and require power. What advantages do they have?

10. To make emissions negative, what must you do with the captured carbon?

11. What’s really needed to make this all work?

1. <https://www.ted.com/talks/jennifer_wilcox_a_new_way_to_remove_co2_from_the_atmosphere?referrer=playlist-itunes_podcasts_science_medicine&language=en> [↑](#footnote-ref-1)