

Ted Talk - Elizabeth Blackburn

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1. What is a telomere? [1]
2. What does telomerase do? [1]
3. Why is pond scum a good organism for Elizabeth Blackburn to study? [1]
4. What is a risk (or downside) of too much cell division? [1]
5. Elizabeth Blackburn talks about health span and disease span. Explain what these two terms mean. [1]
6. Elizabeth Blackburn, Carol W. Greider and Jack W. Szostak won the Nobel Prize in 2009 for their work on telomeres. After watching this Ted Talk, why do you think her work was so important or significant? Include some details/facts from the video in this answer. It should be a paragraph in length. [5]

Assignment: In Google Drive

Ted Talk: Elizabeth Blackburn questions AND Aging: It is in our cells questions.

Make sure to title each set of questions and number your answers.

Title your Googledoc: 5. Telomeres



5. Telomeres

Aging: It is in our cells (p. 45)

1. List the main idea for each paragraph .
2. Write down 1 example in your words of what goes wrong in older, aging cells. (paragraph 2)
3. What are telomeres and what role do they play in aging? (paragraph 3)
4. What are centromeres and what role do they play in aging? (paragraph 4)
5. How are aging and cancer related? (paragraph 5)