



WORKSHEET 1

Choose the correct option(s) for questions 1 to 3 and enter your choice(s) in the adjacent box:

1. Daniel Koshland was a

- A) Biochemist
- B) Zoologist
- C) Botanist
- D) Historian

2. Which of the following is an appropriate definition of life?

- A) An entity which breathes
- B) An entity which reproduces
- C) An entity which fulfils the seven criteria of PICERAS
- D) None of the above

3. Complete the following analogy –

Blueprint : Radio :: _____ : Life

- A) Protein
- B) DNA
- C) RNA
- D) Carbohydrate

4. You have been given an unlimited access to all the biomolecules available on earth. However, we are playing a game in which you have to limit yourself to choosing only 4 items at most to build a synthetic cell. Which ones would you choose? Justify your choice briefly.

5. Based on your understanding of synthetic biology, what is a global problem that you want to solve? How would you try to solve it? If you love to write essays and stories, this is the time to unleash your creativity. However, if you love to sing or deliver a speech, share your opinions in the form of a speech in front of a class. Instead of writing long essays, you can also make schematic diagrams to explain your answer in the space provided below!