SASKATCHEWAN ENVIRONMENTAL SCIENCE 20 · UNIT C · 25 QUESTIONS

Human Population and Pollution — Practice Test

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1 **An increase in the number of individuals in a population over time is called**

- A population growth
- B urbanization
- C pollution
- D point source pollution

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2 **Exponential population growth happens when the growth rate is**

- **A** zero
- **B** constant as a percent
- **C** negative
- **D** limited by food

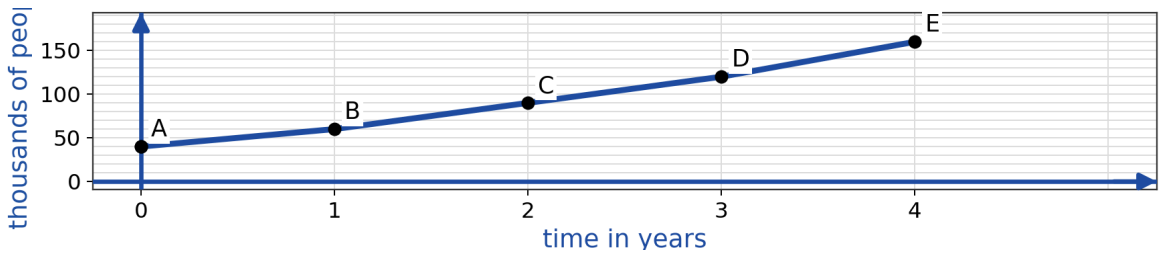
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3 **A population starts at 1000 and multiplies by 2 each generation for 2 generations. The final population is _____**

ANSWER _____

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4 **The graph shows a city population over time. The population in year 4, in thousands, is _____**



ANSWER _____

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5 **The largest population an environment can support over time is called**

A pollution

B point source pollution

C carrying capacity

D nonpoint source pollution

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6 **A factory pipe discharging waste into a river is an example of**

A nonpoint source pollution

B natural erosion

C bioaccumulation

D point source pollution

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7 **A population starts at 500 and multiplies by 2 each generation for 3 generations. The final population is ____**

ANSWER _____

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8 **The growth of cities as people move from rural areas is called**

A urbanization

B point source pollution

C nonpoint source pollution

D bioaccumulation

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9 **Runoff of fertilizer from many farms is an example of**

A point source pollution

B nonpoint source pollution

C clean water

D groundwater recharge

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10 **A population starts at 200 and multiplies by 3 each generation for 2 generations. The final population is ____**

ANSWER _____

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11 **The addition of harmful substances to air, water or soil is called**

- A pollution
- B nonpoint source pollution
- C bioaccumulation
- D biomagnification

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12 **Biomagnification means a pollutant is most concentrated in**

- A producers
- B decomposers
- C rainwater
- D top predators

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13 **A bacterial culture starts with 100 cells and doubles 3 times. The final number of cells is _____**

ANSWER _____

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14 **A factory pipe discharges waste directly into a river at a single location. This pollution comes from a**

A point source

B bioaccumulation

C biomagnification

D eutrophication

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15 **Eutrophication most directly causes**

A clearer water

B oxygen loss in water

C more fish

D less algae

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16 **A population starts at 800 and multiplies by 2 each generation for 4 generations. The final population is ____**

ANSWER _____

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17 **Pollution that comes from many scattered sources is called**

A biomagnification

B eutrophication

C nonpoint source pollution

D waste management

Understand It with Pulse | Flag a mistake

18 **A bacterial culture starts with 50 cells and doubles 5 times. The final number of cells is ____**

ANSWER _____

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19 **The build up of a substance in an organism over time is called**

A eutrophication

B waste management

C population growth

D bioaccumulation

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20 **A population starts at 250 and multiplies by 2 each generation for 3 generations. The final population is ____**

ANSWER _____

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21 **The increase in concentration of a substance up a food chain is called**

A biomagnification

B waste management

C population growth

D carrying capacity

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22 **Out of 160 students surveyed, 40 chose the same answer. The percent who chose it is ____**

ANSWER _____

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23 **Excess nutrient enrichment of water that causes algal growth and oxygen loss is called**

- **A** population growth
- **B** eutrophication
- **C** carrying capacity
- **D** urbanization

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24 **A population starts at 120 and multiplies by 2 each generation for 4 generations. The final population is ____**

ANSWER _____

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25 **The collection, treatment and disposal of waste materials is called**

A carrying capacity

B urbanization

C waste management

D pollution

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ANSWER KEY

1. A
2. B
3. 4000
4. 160
5. C
6. D
7. 4000
8. A
9. B
10. 1800
11. A
12. D
13. 800
14. A
15. B
16. 12800
17. C
18. 1600
19. D
20. 2000
21. A
22. 25
23. B
24. 1920
25. C

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