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Appendices

Appendix A

Instructions

Internet condition

You will next be presented opportunities to learn different components about a particular topic. You will be provided with instructions for where to find the relevant information online for each topic which will help you prepare for the exit quiz. You can earn a bonus based on your performance on the quiz, if you score 80% or higher. Questions on the quiz will be based only on information from the designated webpages. Please do not use any outside sources other than the ones provided.

No Internet condition

You will next be presented opportunities to learn different components about a particular topic. You will be provided relevant information for each topic which will help you prepare for the exit quiz. You can earn a bonus based on your performance on the quiz, if you score 80% or higher. Questions on the quiz will be based only on information in the readings. Please do not use any outside sources.

Appendix B

Topics

Photosynthesis

1. How are plants so efficient? (<http://www.economist.com/blogs/economist-explains/2014/12/economist-explains-1>)
2. Discovery of Photosynthesis (<http://photosynthesiseducation.com/discovery-of-photosynthesis/>)
3. Light and Dark Reactions in Photosynthesis (<https://www.wyzant.com/resources/lessons/science/biology/photosynthesis/light-dark-reactions>)

Inflation

1. How do you calculate the inflation rate? (<http://www.rateinflation.com/inflation-information/calculate-inflation>)
2. Who benefits from inflation? (<http://www.investopedia.com/ask/answers/111414/does-inflation-favor-lenders-or-borrowers.asp>)
3. What are some causes of inflation? (<http://www.frbsf.org/education/publications/doctor-econ/2002/october/inflation-factors-rise/>)

Autism

1. Autism Treatment Options (<http://apa.org/topics/autism/treatment.aspx>)
2. Five Autism Types Explained (<http://www.iser.com/resources/autism-types.html>)
3. Causes of Autism (<http://www.autism-society.org/what-is/causes/>)

Appendix C

Quiz questions

Photosynthesis quiz questions

Q: How efficient are plants during the first stage of photosynthesis?

- 90% (1)
- 10% (2)
- 45% (3)
- 65% (4)

Q: What is an electron-ion pair known as?

- Exciton (1)
- Chlophyl (2)
- Algae (3)
- Solar Energy (4)

Q: Who proved that water was important to plant growth?

- Jan Baptista van Helmont (1)
- Gregor Mendel (2)
- Joseph Priestely (3)
- Sir Isaac Newton (4)

Q: What did Julius Robert Mayer propose about plants?

- Plants convert light energy into chemical energy (1)
- Plants convert chemical energy into light energy (2)
- Plants convert light energy into oxygen (3)
- Plants convert oxygen into light energy (4)

Q: What is the most important source of cellular energy?

- ATP (1)
- Chloroplast (2)
- Oxygen (3)
- Rhibosomes (4)

Q: What is another name for dark reactions?

- The Calvin Cycle (1)
- Thylakoid (2)
- Stroma Reaction (3)
- Non-Light Photosynthesis (4)

Inflation quiz questions

Q: What is it called when an economy's demand increases faster than its productive capacity?

- Demand-Pull Inflation (1)
- Cost-Push Inflation (2)
- Material-Dependent Inflation (3)
- Production-Dependent Inflation (4)

Q: The sharp rise in imported oil prices in the 1970 caused what type of inflation?

- Cost-Push Inflation (1)
- Demand-Pull Inflation (2)
- Material-Dependent Inflation (3)
- Production-Dependent Inflation (4)

Q: In what circumstance does a borrower benefit most from inflation?

- If the borrower owed money before the inflation occurred (1)
- If the borrower owes money after the inflation occurs (2)
- If the borrower has a high credit score (3)
- If the interest rates are high on the loan (4)

Q: What result of inflation can be beneficial to lenders?

- Increased Cost of Living (1)
- Decreased value of money (2)
- Emergency US Treasury regulations (3)
- Inflation is never beneficial to lenders (4)

Q: Which of the following is the formula for calculating inflation?

F = Final value

I = Initial value

- $F - I / I \times 100$ (1)
- $F - I$ (2)
- $F - I \times 100$ (3)
- $F \times I / 100$ (4)

Q: What measure denotes the price of a selection of goods and services for a typical consumer?

- Consumer Price Index (1)
- Inflation Coefficient (2)
- Cost of Living Index (3)
- Producer Price Index (4)

Autism quiz questions

Q: What medical condition is NOT linked to an increased risk for autism?

- Leukemia (1)
- Fragile X Syndrome (2)
- PKU (3)
- Congenital Rubella Syndrome (4)

Q: What role does genetics play in developing autism?

- It is believed that there is a genetic component (1)
- Genetics do not play a role (2)
- Autism is believed to be purely genetic (3)

Q: What population makes up the majority of people with Rett's Syndrome?

- Females (1)
- Males (2)
- Adults (3)
- Teens (4)

Q: What disorder on the autism spectrum is also known as "classic autistic disorder"?

- Kanner's Syndrome (1)
- Childhood Disintegrative Disorder (2)
- PDD-NOS (3)
- Rett's Syndrome (4)

Q: Which of the following describes how medications are used to treat autism?

- Medications are used to treat some of the symptoms (1)
- Medications treat the disease directly (2)
- Medications are not used with autism patients at all (3)
- Researchers recently developed a cure for autism (4)

Q: Which of the following is NOT an important method for treating autism?

- Systematic isolation (1)
- Behavioural interventions (2)
- Social skills training (3)
- Integration into regular classrooms (4)