

CONTENT ANALYSIS

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Content in biology can be found in different from, they are: facts, concept, theory and law. **Facts** is defined as all knowledge that people had known but those had not been organized systematically. While **Concept** is defines as : 1) Illustration of characteristic of an object, and can be differentiated with other discipline, 2) An abstraction of a group of objects, events, or relationships which has the same attribute a (Rosser, in Dahar, 1989: 80), 3) A Mental Builder in grouping words with certain explanation that can be accepted in common (Klausmeier, in Dahar, 1989:22), 4) A Mental abstraction which represent a group of stimuli. In short concept is defined as group of facts or phenomena (Koentjaraningrat,1990:29). Concept that has been formulated and be tested become a **law**, when the law is accepted as a worldwide truth then it became a **theory**

REFERENCE:

1. http://news.nationalgeographic.com/news/2004/12/1206_041206_global_warming.html
2. http://www.biology.arizona.edu/cell_bio/tutorials/cell_cycle/cells3.html
3. <http://www.allaboutscience.org/darwins-theory-of-evolution.htm>
4. <http://www.purchon.com/biology/mendel.htm>

TASK

Please refer to: <http://www.youtube.com/watch?v=HictYt9A2CQ&feature=related>. Identify concepts you find in this video.

QUIZ

1. The oxygen released in the process of photosynthesis is identify as
 - a. A fact
 - b. A concept
 - c. A law
 - d. A theory

2. Which is the following words/sentences that is categorized as a concept:
 - a. Sunlight
 - b. Respiration
 - c. Turning color as a chemical reaction of molecule
 - d. Evolution of human

3. Concept could be abstract or concrete. The insect is:
 - a. Concrete concept but and concrete example
 - b. Abstract concept but the example is concrete
 - c. Concrete concept but the example is abstract
 - d. Abstract concept as well as abstract example

4. Classification of insects is based on:
 - a. A number of wing
 - b. Number of legs
 - c. Number of body segment
 - d. Number of antenna.

5. Which is the following that categorized as a law.
 - a. Evolution
 - b. Segregation from Mendel theory
 - c. Landmarks Evolution
 - d. Darwin Evolution