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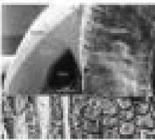


Dentin, Enamel, Pulp



Enamel

- most highly mineralized tissue
- 97% mineral, 4% water
- inorganic crystalline calcium phosphate - hydroxyapatite
- various ions like strontium, magnesium, lead and fluoride are present at some point during enamel formation
- increased in some teeth like



Lab Report

By: Andrea Enechino
2.26.14
Tuesday Night Lab
Name

B3 REVISION The Digestive System and Enzymes

Complete the table:

Food substance	Food test	Enzyme that acts on it and products
Carbohydrates (starch)	Iodine - black	Amylase -
Sugar	Benedict's and heat blue to	
Proteins	Buret	Amino acids
Lipids	Ethanol: Slin III	Lipase - glycerol and

Explain how temperature affects enzyme activity.

Up to the optimum +

Above the optimum

Describe the practice enzyme action using a table. What did you do?

What did you find out?

Label the axis and complete the graphs to show how enzymes are affected by:

Temperature

pH

KEY WORDS

- Enzyme
- Lock & Key
- Active Site
- Substrate
- Product
- Optimum
- Denature
- Cofactor

Diagram 1

Biology and Chemistry: Enzymes, versus Digestion

- Explain the difference between enzymes and digestion. How do they relate to each other? (2 marks)
- Explain the difference between enzymes and digestion. How do they relate to each other? (2 marks)

Energy Flow and Chemical Change in the Biosphere

- Explain why photosynthesis is a chemical change. (2 marks)
- Explain why cellular respiration is a chemical change. (2 marks)
- Explain the difference between photosynthesis and cellular respiration. (2 marks)
- Explain the difference between photosynthesis and cellular respiration. (2 marks)

Cellular Respiration: Aerobic Respiration of Food Energy

- Explain the difference between aerobic and anaerobic respiration. (2 marks)

Enzymes worksheet pdf.

Enzyme Notes (Powerpoint) and Review Worksheet Use this resource to teach the specifics of enzymes (as outlined below). After completing the video and powerpoint use the review worksheet to see what students can remember from the lesson. Use as a homework, in class activity, or quiz! Answer Key included. I usually spend 3 days with this resource. (see detailed implementation further below)Day 1) take notes in small groupsDay 2) discuss notes as a classDay 3) complete review worksheetIn this resource you will get:Video file with suggested actEnzyme Introduction Packet WorksheetsBy This packet is intended as an introduction to enzymes. Students utilize the graphics and information in the packet to answer the questions. I have my students work with the students at their table. It includes a section where the students model enzymes/substrates to the teacher. It also includes graph analysis for denaturing,Enzymes and Temperature. Enzymes and substrate complex and the fundamentals of how temperature affects enzyme activity. Also looks at the lock and key model. Describes what an enzymes is and how it works. Covers the rate of enzyme activity. Lab works around potato and hydrogen peroxide and the effect on cooked vs uncooked potato (2 part lab). Details lab instructions with tables and graph questions for data/results collection. Easy to understand definitions worksheets with keywords: Enzyme, EnzyEnzymes & Digestion Worksheetsby These revision worksheets covering enzymes & digestion are perfect for helping students to recall key information.This resource includes topics about enzymes & digestion, with 4 separate question sheets as follows:EnzymesInvestigating Enzymatic ReactionsDigestive EnzymesFood TestsFor each question sheet there is a:Colour copy.Printer friendly b&w copy.Copy completed with answers.I hope your students find these worksheets useful!If you have enjoyed this resource, please consider leaviEnzymes (printable worksheets)by These printable worksheets help your students to consolidate their understanding of enzymes and how they work, including differences between the 'lock-and-key' and 'induced-fit' models of enzyme action, factors affecting reaction rate (temperature/pH), and competitive/non-competitive enzyme inhibition. They also include a fun word find. Key terms: activation energy - active site - allosteric site - catalyst - coenzyme - cofactor - competitive inhibition - denature - enzyme - enzyme-substrate comEnzymes - Lesson & worksheetsby This is a whole lesson on Enzymes, including PowerPoint presentation, activities and worksheets and opportunities for self-assessment.This lesson begins by pupils being introduced to what an enzyme is, what it looks like and it's role in the body.Pupils will then watch a video and will need to answer questions (provided) whilst watching the video, they can self-assess their work using the answers provided.Next pupils are shown a diagram of an enzyme's lock & key mechanism in action, they wil1. Students read the definition of a brochure2. Students complete a WebQuest on the topic3. Students create a brochure on the Topic which includes a writing & IllustrationWebQuest:What is the topic of this WebQuest?What Branch of science is this topic associated with? (Biology, Chemistry etc.)What are five facts you learned about this topic?Where can this topic be seen/experienced in everyday life on our planet?Sources: (What Websites did you use?)This powerpoint lesson is on CARBON, WATER and ENZYMES. It is part of the CHEMICAL BASIS FOR LIFE unit. The material covered is information regarding to how important to life that carbon and water are. It also contains information on enzymes and how they are important to life processes. The powerpoint includes images, information, videos and real life examples. It also includes lesson plans for the unit to be used stating all anchors objectives and standards taught This zip file includes:Enzyme Coloring Sheetby Do your science students enjoy coloring as much as mine do? My students are always asking me for coloring sheets, but I have struggled to find sheets that are not only relevant to topics we cover in biology but also not overly complex. That is why I have started hand drawing coloring sheets like this one!Coloring sheets are fantastic for early finishers, supplements to sub plans, classroom artwork, ELL students, and also just for a fun brain break. I've found how valuable coloring sheets can bePage 2 Published on Aug 12, 2021The TISB Yearbook 2021 is here. Read the reflections and messages from the leadership team, and view the portraits of the graduated students in the ba... Full PDF PackageDownload Full PDF PackageThis PaperA short summary of this paper28 Full PDFs related to this paperDownloadPDF Pack

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