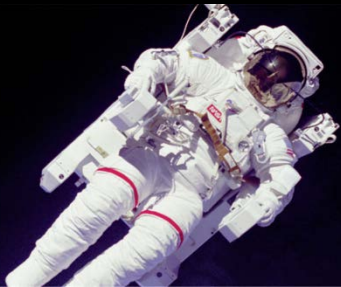


# Biology

Worksheets, Video Guides and Quizzes for

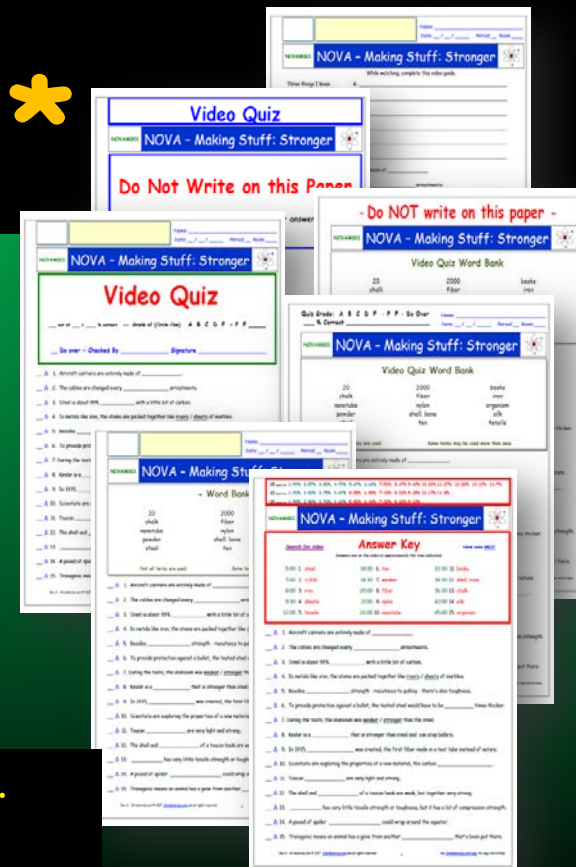
"Greatest Discoveries

With Bill Nye" \*



Differentiated

Video Guides, Quizzes  
and Answer Sheet



NOTE: Download is subject to terms and conditions listed [here](#).

\* Names used for reference only — not affiliated.



\_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_ / \_\_\_ / \_\_\_\_\_ Period \_\_\_ Room \_\_\_

**BNGD\***  
**02**

# Biology



While watching, complete this video guide.

Three things I knew that were confirmed in the video:

A- \_\_\_\_\_

B- \_\_\_\_\_

C- \_\_\_\_\_

Three things I didn't know but I now know because I watched the video.

A- \_\_\_\_\_

B- \_\_\_\_\_

C- \_\_\_\_\_

- \_\_\_ Δ 1. Looking through a microscope, Robert Hooke saw tiny boxes in cork and called them \_\_\_\_\_.
- \_\_\_ Δ 2. Protozoa / Microbes are small, single-celled organisms that live in pond water.
- \_\_\_ Δ 3. Robert Brown noticed that each cell contains a similar structure, which he called the \_\_\_\_\_.
- \_\_\_ Δ 4. Prokaryotes are single-celled organisms with their \_\_\_\_\_ contained by the cell wall.
- \_\_\_ Δ 5. Carl Woese found that eukaryotes / archaea are able to live anywhere on the planet.
- \_\_\_ Δ 6. The process of a cell duplicating itself is called cell \_\_\_\_\_.
- \_\_\_ Δ 7. In the process of meiosis / mitosis, a developing organism signals its sex cells to divide its number of chromosomes in half.
- \_\_\_ Δ 8. In the early stages of an embryo's development, the \_\_\_\_\_ cells can develop into any cell type.
- \_\_\_ Δ 9. Introducing jellyfish DNA into a mouse caused the mouse's tissues to \_\_\_\_\_.
- \_\_\_ Δ 10. The cycle of chemical reactions resulting in ATP is known as the \_\_\_\_\_ Cycle.
- \_\_\_ Δ 11. Mitochondria provide the \_\_\_\_\_ that enables a cell to work and the body to function.
- \_\_\_ Δ 12. Loewi discovered the first known nerve chemical, now called a serotonin / neurotransmitter.
- \_\_\_ Δ 13. Photosynthesis is the biochemical process by which plants trap the energy of \_\_\_\_\_ and convert it into chemical energy.
- \_\_\_ Δ 14. The tropical rainforests are the richest resource of \_\_\_\_\_ on the planet.
- \_\_\_ Δ 15. Arthur Tansley coined the term \_\_\_\_\_ to help people understand the dynamics of the environment as a whole.

\* Titles are for reference only - not affiliated.

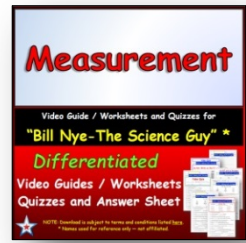
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# Video Guide / Worksheet / Quiz



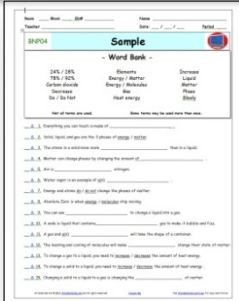
Click [HERE](#) for a FREE SAMPLE of the Video Guides, Worksheets and Quizzes.



Word Bank Version

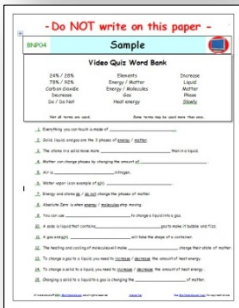
Easily Differentiated. The Questions are Identical.

Fill in the Blank Version



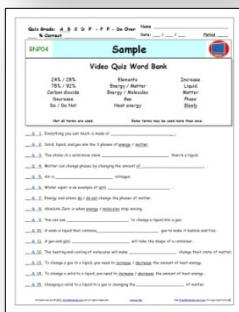
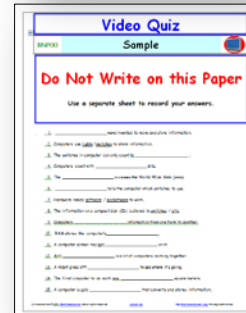
**Video Guide** 15 questions with the same "Look and Feel"- fill in the blank or forced decision so that students can keep up with the video.

- Word Bank for suggested answers.
- Students can fill them out before viewing and then correct the information while watching the video.
- Next to the question numbers there are triangles ( $\Delta$ ) that teachers may fill in indicating which questions are to be answered. This accommodation will limit the requirements for younger or special needs students.



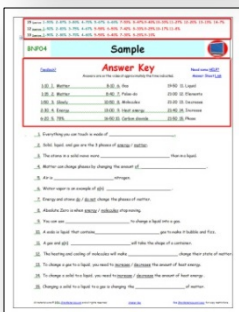
**Reusable Quiz** Print this on colored paper to reuse each year Next to the question numbers there are triangles ( $\Delta$ ) that teachers can choose indicating which questions are to be answered.

- Use as many questions as you wish 10, 12, 15.
- Ideal for 'clicker' response systems.
- Every quiz has the same "Look and Feel"
- Free Quiz answer sheet at: <http://www.StarMaterials.com/Documents/>



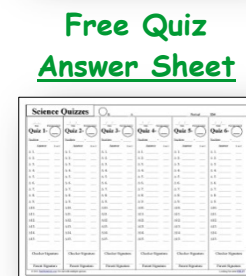
**Individual Quiz** Next to the question numbers, there are triangles ( $\Delta$ ) that teachers can use indicating which questions are to be answered.

- When marking, have checkers put a "C" for correct and "X" for wrong in blanks next to the triangles ( $\Delta$ ) then count the "C"s for grade.
- Different classes can take different quizzes.
- Repeat or do-over quizzes can have different questions.
- Every quiz has the same "Look and Feel"
- Have students use ID Numbers only. Have them cross correct before returning the quiz to owner for names.



**Answer Key** The answer box lists suggested answers.

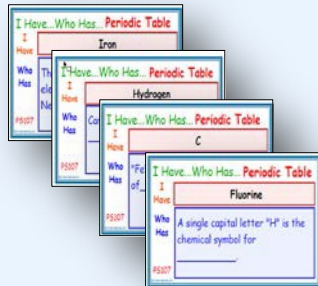
- Next to the answers are the times the material was presented in the video.
- Correct answer percentages are shown in the included table for a 10, 12, or 15 question quiz.
- Print the answer key on colored paper to find it quickly.
- A handy grading percentage key is provided at the top for easy grading.





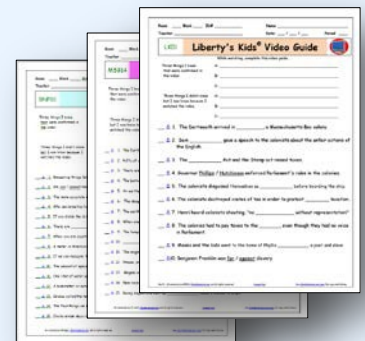
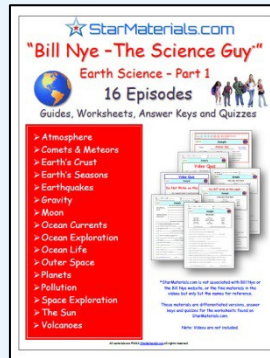
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30 Questions and answers on 30 different cards.  
Many different content areas taught.

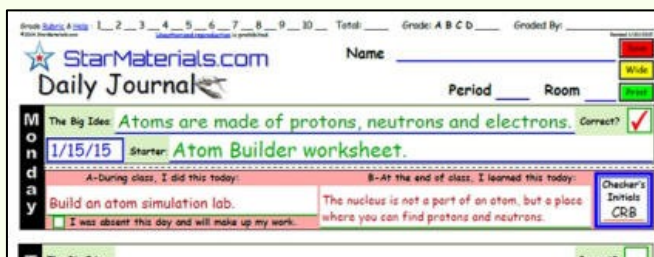
## Free Video Reviews



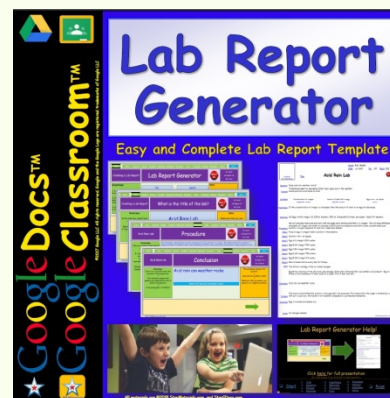
"Bill Nye - The Science Guy", "Magic School Bus",  
"The Eyes of Nye", "Liberty's Kids" and more.

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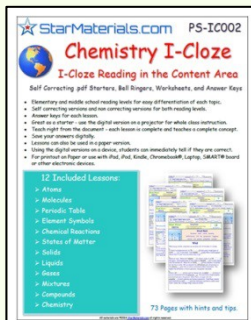


Writing in the Content Area (.pdf)  
Interactive journal worksheets.



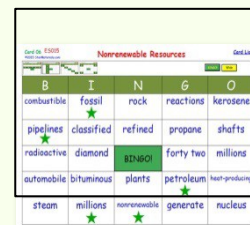
Google Doc™ Version  
Step through to a one page printout.

## Free I-Cloze\* Readings



Reading in the Content Area (.pdf)  
Interactive worksheets that are self-correcting.

## Free I-BINGO\* Review



Great concept introduction or review (.pdf)  
30 Interactive BINGO Cards.

\*Interactive lessons for printout on Paper or use with Google Docs™, iPad™, Kindle™, Chromebook™, Laptop, SMART™ board or other devices.