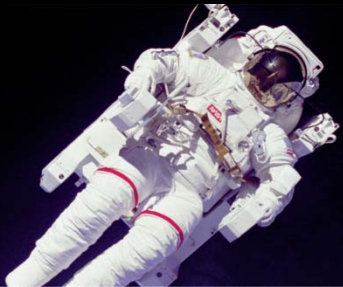


Physics

Worksheets, Video Guides and Quizzes for

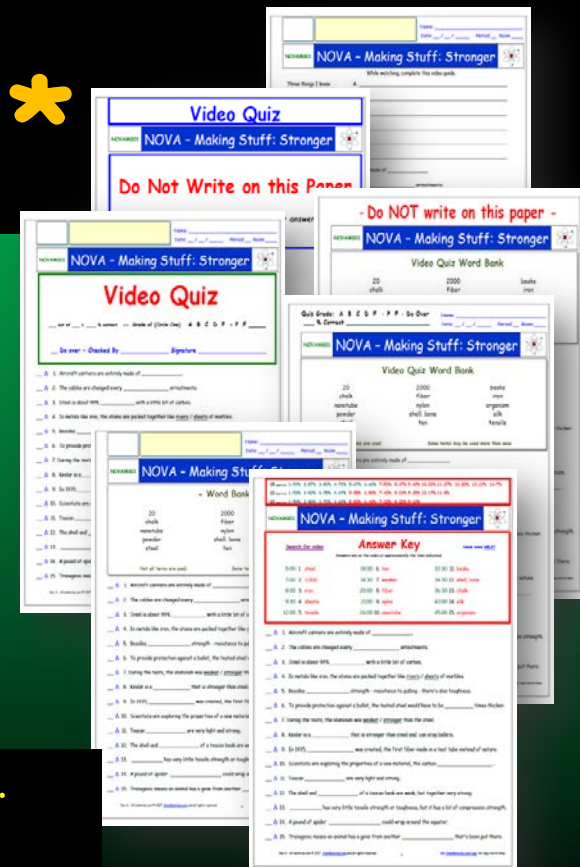
"Greatest Discoveries

With Bill Nye" *



Differentiated

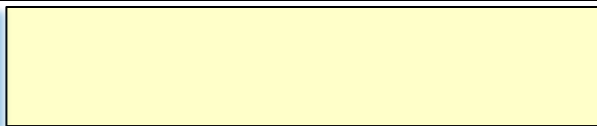
Video Guides, Quizzes
and Answer Sheet



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

* Names used for reference only — not affiliated.





Name: _____

Date: ____ / ____ / ____ Period ____ Room ____

BNGD*
08

Physics



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- _____

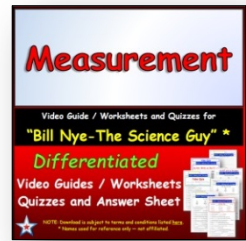
C- _____

- ___ Δ 1. _____ is the study of the world around us.
- ___ Δ 2. Heavier object seems to fall _____ than a lighter one because of air resistance.
- ___ Δ 3. Newton / Planck discovered the law of universal gravitation, which applies to all objects in the cosmos.
- ___ Δ 4. Newton's second great discovery - the laws of _____ - explains the movement of all physical objects.
- ___ Δ 5. Every action has an equal and opposite _____.
- ___ Δ 6. The 2nd law of thermodynamics states that in any energy exchange, energy will be _____.
- ___ Δ 7. Einstein once said that all ideas should be presented to _____, and if they can't understand it, the theory is worthless.
- ___ Δ 8. _____ beats at different rates throughout the universe.
- ___ Δ 9. A _____ leap is the smallest leap possible in nature.
- ___ Δ 10. Einstein believed that heat / light has both particle-like and wave-like properties.
- ___ Δ 11. Chadwick discovered that the _____ is made up of protons and neutrons.
- ___ Δ 12. Superconductors allow an electric current to flow without losing any _____.
- ___ Δ 13. Murray Gell-Mann proposed that the neutron and proton are composed of smaller particles called quarks / molecules.
- ___ Δ 14. There are four fundamental forces of nature: weak force, strong force, electromagnetism, and gravity / thermodynamics.
- ___ Δ 15. The Theory of _____ unites all four forces of nature into a single super force.

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 (Δ) 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 (Δ) 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 (Δ) 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 (Δ) 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.

Free Quiz
Answer Sheet

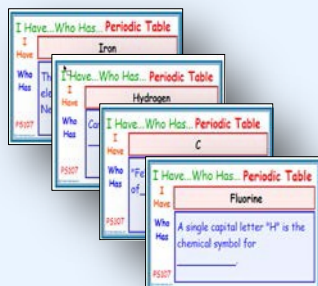


StarMaterials.com

The Leader in "AID-Lessons" with Accountability, Interaction, and easy Differentiation.

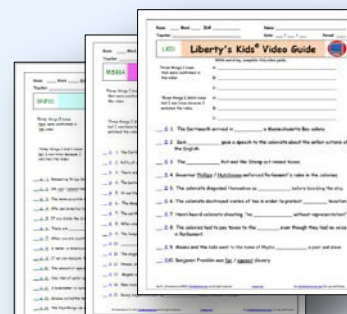
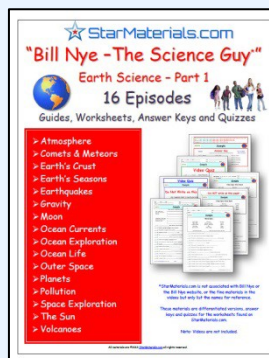
Click on other Helpful Products from StarMaterials

Free I Have, Who Has...



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

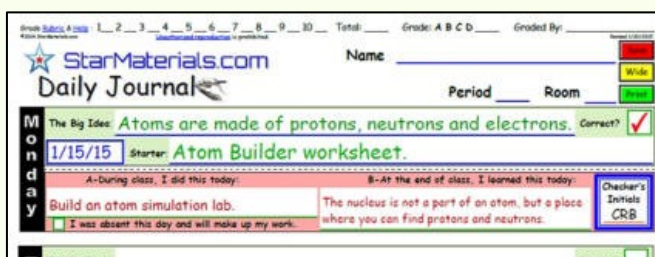
Free Video Reviews



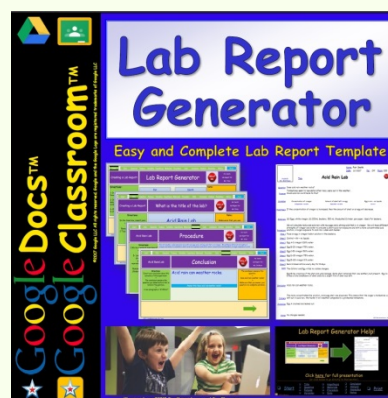
"Bill Nye - The Science Guy", "Magic School Bus",
"The Eyes of Nye", "Liberty's Kids" and more.

Interactive Products from StarMaterials

Free I-Journals*

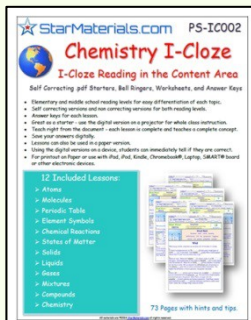


Writing in the Content Area (.pdf)
Interactive journal worksheets.



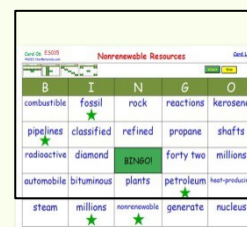
Google Doc™ Version
Step through to a one page printout.

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.