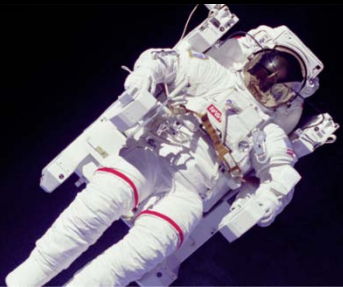


Physics

Worksheets, Video Guides and Quizzes for

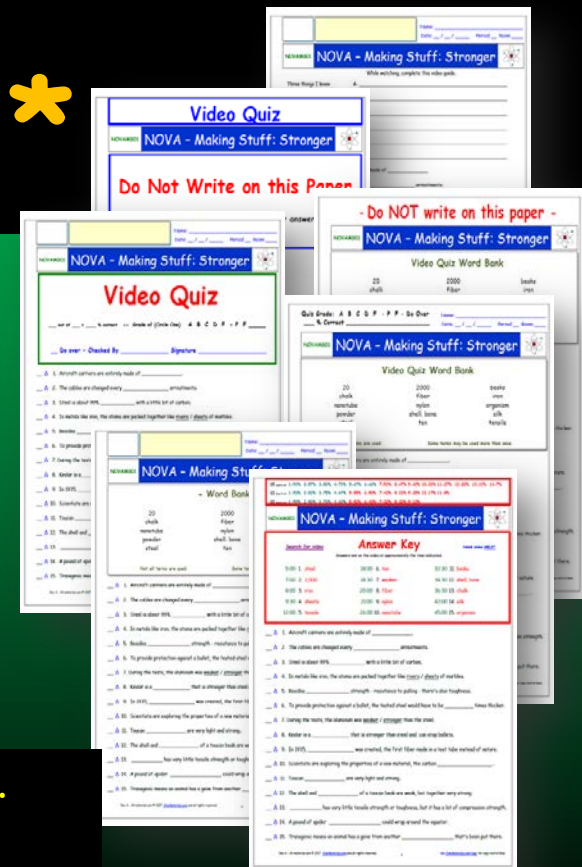
"Greatest Discoveries

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.



15 Questions 1-93% 2-87% 3-80% 4-73% 5-67% 6-60% 7-53% 8-47% 9-40% 10-33% 11-27% 12-20% 13-13% 14-7%

12 Questions 1-92% 2-83% 3-75% 4-67% 5-58% 6-50% 7-42% 8-33% 9-25% 10-17% 11-8%

10 Questions 1-90% 2-80% 3-70% 4-60% 5-50% 6-40% 7-30% 8-20% 9-10%

BNGD*
08

Physics



[Search for video](#)

Answer Key

Need some [HELP?](#)

Answers are on the video at approximately the time indicated.

00:05	1. Physics	10:45	6. wasted	32:20	11. nucleus
03:45	2. faster	17:10	7. children	35:30	12. energy
07:20	3. Newton	19:20	8. Time	38:20	13. quarks
08:25	4. motion	22:10	9. quantum	40:45	14. gravity
09:15	5. reaction	28:45	10. light	43:35	15. Everything

- _____ is the study of the world around us.
- Heavier object seems to fall _____ than a lighter one because of air resistance.
- Newton / Planck discovered the law of universal gravitation, which applies to all objects in the cosmos.
- Newton's second great discovery - the laws of _____ - explains the movement of all physical objects.
- Every action has an equal and opposite _____.
- The 2nd law of thermodynamics states that in any energy exchange, energy will be _____.
- Einstein once said that all ideas should be presented to _____, and if they can't understand it, the theory is worthless.
- _____ beats at different rates throughout the universe.
- A _____ leap is the smallest leap possible in nature.
- Einstein believed that heat / light has both particle-like and wave-like properties.
- Chadwick discovered that the _____ is made up of protons and neutrons.
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- Murray Gell-Mann proposed that the neutron and proton are composed of smaller particles called quarks / molecules.
- There are four fundamental forces of nature: weak force, strong force, electromagnetism, and gravity / thermodynamics.
- The Theory of _____ unites all four forces of nature into a single super force.

--

--

Name: _____

Date: ___ / ___ / ___ Period ___ Room ___

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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.
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Video Quiz

BNGD*
08

Physics



Do Not Write on this Paper

Use a separate sheet to record your answers.

1. _____ is the study of the world around us.
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Name: _____

Date: ___ / ___ / ___ Period ___ Room ___

BNGD*
08

Physics



Video Quiz

___ out of ___ = ___ % correct -- Grade of (Circle One) A B C D F - P F _____

___ Do over - Checked By _____ Signature _____

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Name: _____

Date: ___ / ___ / _____ Period ___ Room ___

BNGD*
08

Physics



- Word Bank -

children
physics
gravity
time
nucleus

faster
reaction
newton
everything
quarks

motion
energy
quantum
light
wasted

Not all terms are used.

Some terms may be used more than once.

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BNGD*
08

Physics



Video Quiz Word Bank

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time
nucleus

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BNGD*
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Video Quiz Word Bank

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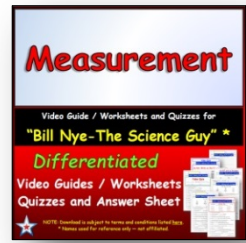
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Video Guide / Worksheet / Quiz



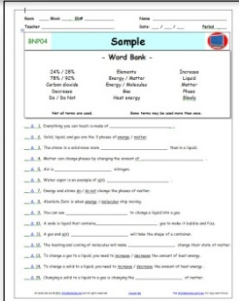
Click [HERE](#) for a FREE SAMPLE of the Video Guides, Worksheets and Quizzes.



Word Bank Version

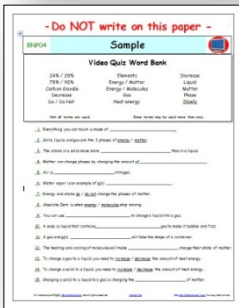
Easily Differentiated. The Questions are Identical.

Fill in the Blank Version



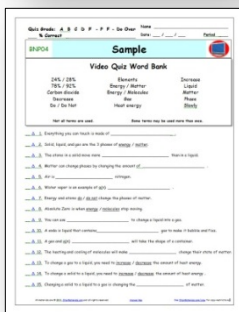
Video Guide 15 questions with the same "Look and Feel"- fill in the blank or forced decision so that students can keep up with the video.

- 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 (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.



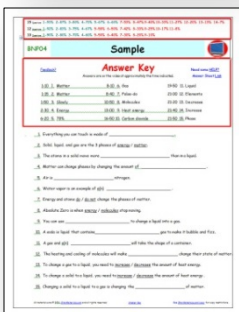
Reusable Quiz Print this on colored paper to reuse each year Next to the question numbers there are triangles (Δ) that teachers can choose indicating which questions are to be answered.

- 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/>



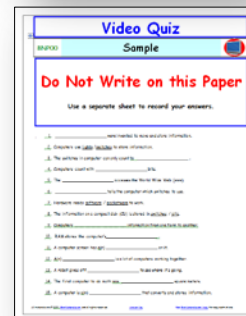
Individual Quiz Next to the question numbers, there are triangles (Δ) that teachers can use indicating which questions are to be answered.

- 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.

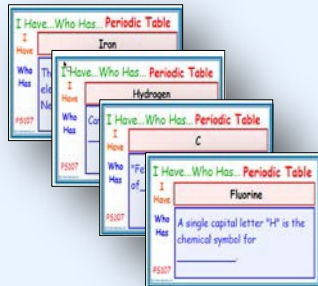
- Next to the answers are the times the material was presented in the video.
- Correct answer percentages are shown in the included table for a 10, 12, or 15 question quiz.
- Print the answer key on colored paper to find it quickly.
- A handy grading percentage key is provided at the top for easy grading.



Free Quiz Answer Sheet

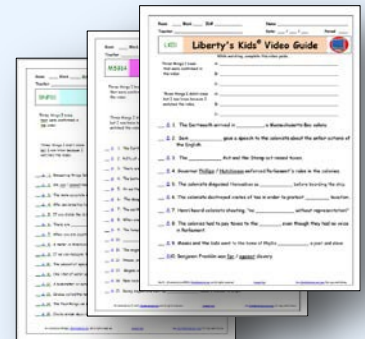
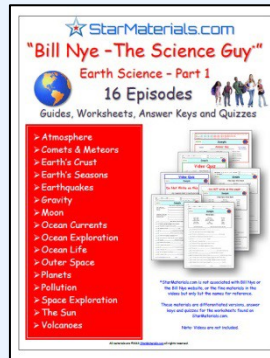
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Many different content areas taught.

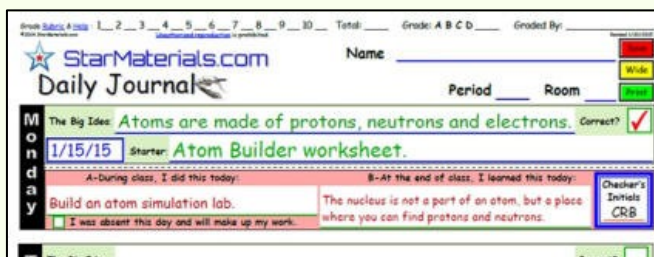
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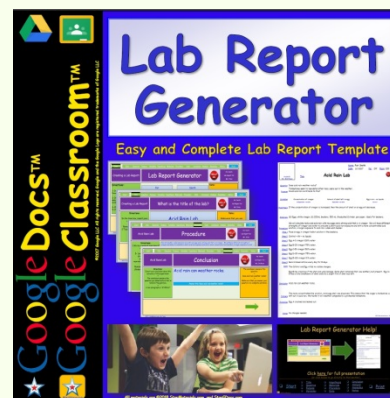
"Bill Nye - The Science Guy", "Magic School Bus",
"The Eyes of Nye", "Liberty's Kids" and more.

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Free I-Journals*

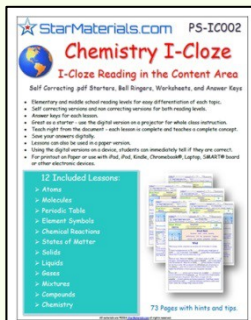


Writing in the Content Area (.pdf)
Interactive journal worksheets.



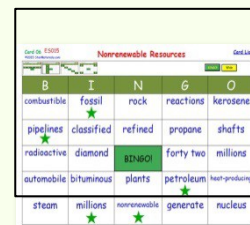
Google Doc™ Version
Step through to a one page printout.

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Free I-BINGO* Review



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

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