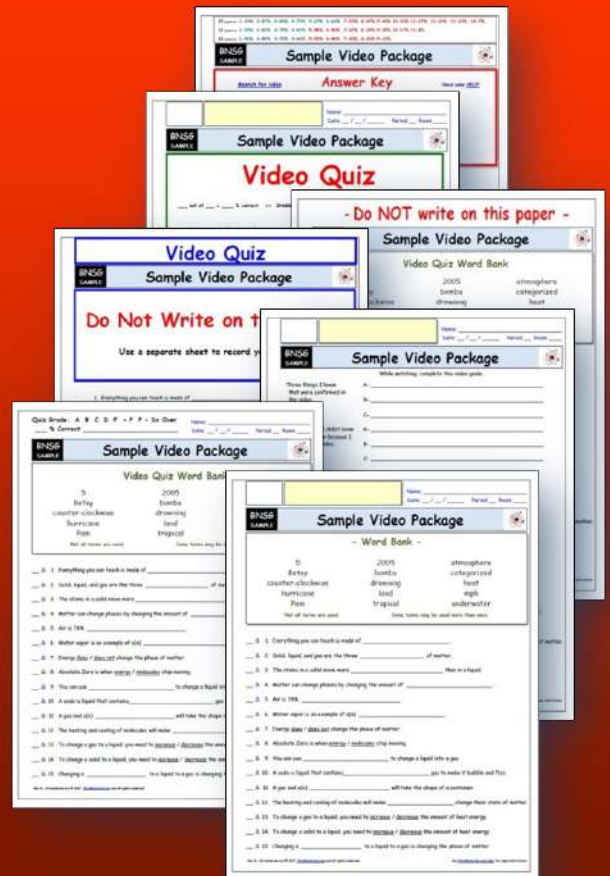


# Digestion

Video Guides and Quizzes for  
"Bill Nye - The Science Guy" \*

*Differentiated*

Video Guides  
Quizzes and  
Answers



\* Names used for reference only — not affiliated.



[Search for video](#)

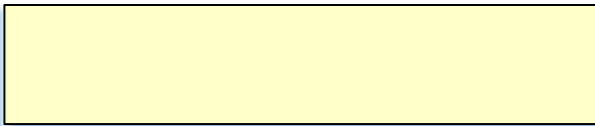
## Answer Key

Need some [HELP?](#)

Answers are on the video at approximately the time indicated.

1:40	1. oxygen	9:00	6. liters	14:50	11. opens
3:50	2. energy	9:40	7. intestine	15:40	12. snake
5:50	3. stomach	10:20	8. days	17:00	13. pyramid
6:40	4. grind	12:20	9. peristalsis	19:20	14. food
7:30	5. slowly	13:20	10. mouth	20:30	15. meters

- The chemicals from the food we eat combine with \_\_\_\_\_ to fuel our bodies.
- Eating healthy food gives you \_\_\_\_\_.
- Your \_\_\_\_\_ is the first place your food goes when you eat.
- The stomach has muscles to \_\_\_\_\_ up the food.
- The acid in your stomach works quickly / slowly as it breaks down food.
- People drink about three \_\_\_\_\_ of water a day and 1 kg of food a day.
- After the food leaves the stomach it goes into the small \_\_\_\_\_.
- It can take up to two days / weeks for food to go through your body.
- \_\_\_\_\_ is the muscles in the throat pushing food down to the stomach.
- The process of digestion begins with the \_\_\_\_\_.
- The pyloric valve \_\_\_\_\_ to let food go from the stomach to the small intestine.
- Digestion for a \_\_\_\_\_ can take up to 2 years depending on the size of the food it eats.
- The food \_\_\_\_\_ recommends how many daily servings of each food group you should eat.
- \_\_\_\_\_ banks are for people who don't get enough food to eat.
- The small intestine is over 7 inches / meters long.



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

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

**BNSG**  
0107

# Digestion



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. The chemicals from the food we eat combine with \_\_\_\_\_ to fuel our bodies.
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- \_\_\_ Δ 14. \_\_\_\_\_ banks are for people who don't get enough food to eat.
- \_\_\_ Δ 15. The small intestine is over 7 inches / meters long.

# Video Quiz

BNSG  
0107

## Digestion



# Do Not Write on this Paper

Use a separate sheet to record your answers.

1. The chemicals from the food we eat combine with \_\_\_\_\_ to fuel our bodies.
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Name: \_\_\_\_\_

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

**BNSG**  
0107

# Digestion

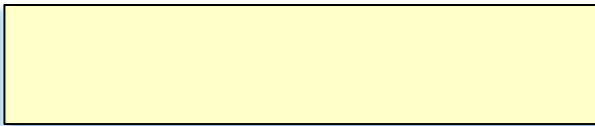


## Video Quiz

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

\_\_\_\_ Do over - Checked By \_\_\_\_\_ Signature \_\_\_\_\_

- \_\_\_\_ Δ 1. The chemicals from the food we eat combine with \_\_\_\_\_ to fuel our bodies.
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Name: \_\_\_\_\_

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

**BNSG**  
0107

# Digestion



## - Word Bank -

energy  
intestine  
nitrogen  
peristalsis  
slowly

food  
liters  
opens  
pyramid  
snake

grind  
mouth  
oxygen  
quickly  
stomach

Not all terms are used.

Some terms may be used more than once.

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- Do NOT write on this paper -

BNSG  
0107

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BNSG

0107

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## Word Bank

Sample

Word Bank

Word	Meaning	Definition
Energy	Power	Ability to do work
Force	Push or pull	Can change motion
Work	Energy transfer	Force times distance
Power	Rate of work	Work divided by time

1. Energy is the ability to do work.

2. Force is a push or pull.

3. Work is done when a force acts on an object and it moves.

4. Power is the rate at which work is done.

5. Energy is transferred when work is done.

6. The unit of energy is the Joule (J).

7. The unit of force is the Newton (N).

8. The unit of work is the Joule (J).

9. The unit of power is the Watt (W).

10. The unit of energy is the Joule (J).

11. The unit of force is the Newton (N).

12. The unit of work is the Joule (J).

13. The unit of power is the Watt (W).

14. The unit of energy is the Joule (J).

15. The unit of force is the Newton (N).

## Select the Version.

## The Questions are Identical

**Video Guide** There are always 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.

## Fill in the Blank

Sample

Fill in the Blank

1. Energy is the ability to do work.

2. Force is a push or pull.

3. Work is done when a force acts on an object and it moves.

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## 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 choose 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.

## Free Quiz

## Answer Sheet

Science Quizzes

Quiz	Questions	Correct	Incorrect	Percentage
Quiz A	10	8	2	80%
Quiz B	12	9	3	75%
Quiz C	15	10	5	67%
Quiz D	10	7	3	70%
Quiz E	12	8	4	67%
Quiz F	15	10	5	67%
Quiz G	10	8	2	80%
Quiz H	12	9	3	75%
Quiz I	15	10	5	67%
Quiz J	10	7	3	70%
Quiz K	12	8	4	67%
Quiz L	15	10	5	67%
Quiz M	10	8	2	80%
Quiz N	12	9	3	75%
Quiz O	15	10	5	67%
Quiz P	10	7	3	70%
Quiz Q	12	8	4	67%
Quiz R	15	10	5	67%
Quiz S	10	8	2	80%
Quiz T	12	9	3	75%
Quiz U	15	10	5	67%
Quiz V	10	7	3	70%
Quiz W	12	8	4	67%
Quiz X	15	10	5	67%
Quiz Y	10	8	2	80%
Quiz Z	12	9	3	75%

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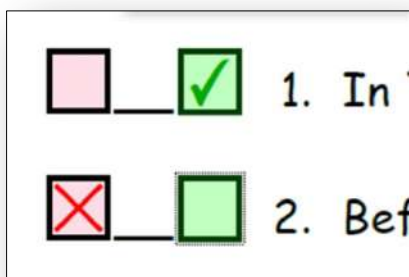


Because these documents are interactive, with **drop down lists**, **interactive checkboxes**, and **form fields**, we need you to try it out on your own devices.

So, we are giving you a fully functional sample of a "Measurement" video guide for the episode from the "Bill Nye - The Science Guy"\* series. Download it from [here](#) and try it on your devices.

Because there are so many different devices (iPads, Chromebooks, Kindles, etc.) with so many different software packages, we designed this document for the **FREE Adobe Acrobat Reader**. You may have various levels of success with your device configuration.

Try it. If you like it or want a specific video guide, email us at [iPad@StarMaterials.com](mailto:iPad@StarMaterials.com) and we'll do our best to help.



Sample Interactive Guide

Name: Terry Hopewell  
Date: 1/17/2017 Period: 4, Room: 238

BNSW 0102

- Word Bank -

alternative	do not work	experiments
feel	iron	medicines
more	music	narrow
nocebo	placebo	purple
red	rust	vibrations

Not all terms are used. Some terms may be used more than once.

1. Ferro fluid is a liquid with \_\_\_\_\_ in it.

2. Magnetic force bonds actually \_\_\_\_\_.

3. Because the iron is bound by oxygen, \_\_\_\_\_ doesn't stick to magnets.

4. Double-blind \_\_\_\_\_ alternative \_\_\_\_\_ yes.

5. The word \_\_\_\_\_ do not work \_\_\_\_\_

6. Some say that \_\_\_\_\_ feel \_\_\_\_\_ everything.

7. Organs and cells respond to specific \_\_\_\_\_ iron \_\_\_\_\_

8. Sound therapy and \_\_\_\_\_ therapy are two different therapies.

9. Alternative \_\_\_\_\_ make people feel better.

10. The \_\_\_\_\_ effect is when a negative outcome from expecting something negative to happen occurs.

11. Lyall Watson called the five senses "\_\_\_\_\_ along."

12. A medical joke: what do you call alternative medicine that's proven to work? \_\_\_\_\_

13. When tested, \_\_\_\_\_ color meant that the liquid was acidic.

14. Usually, \_\_\_\_\_ color means a really base liquid.

15. The milk of magesia was \_\_\_\_\_ effective than the stomach treatment liquid.

Some terms may be used more than once.

permanent shutdown of all \_\_\_\_\_ nuclear \_\_\_\_\_ power plant:

derived its \_\_\_\_\_ boiling \_\_\_\_\_ or reactors.

\_\_\_\_\_ fuels for power. \_\_\_\_\_ earthquake \_\_\_\_\_

\_\_\_\_\_ electricity \_\_\_\_\_

\_\_\_\_\_ fossil \_\_\_\_\_

\_\_\_\_\_ fuel \_\_\_\_\_

\_\_\_\_\_ largest \_\_\_\_\_

\_\_\_\_\_ nuclear \_\_\_\_\_

one of the \_\_\_\_\_ in the world.

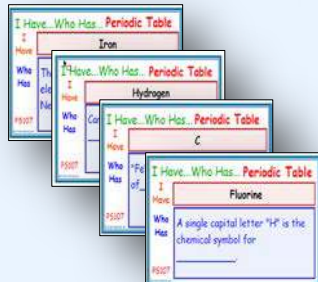
underwater, in a steel pressure vessel, surrounded by a steel building.

\*StarMaterials.com is not affiliated with Bill Nye or the videos in any way! Use of the names and titles are for ease of use and for reference only.



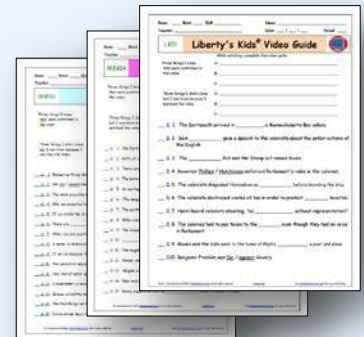
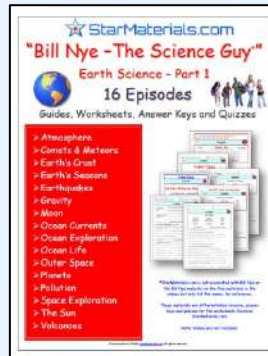
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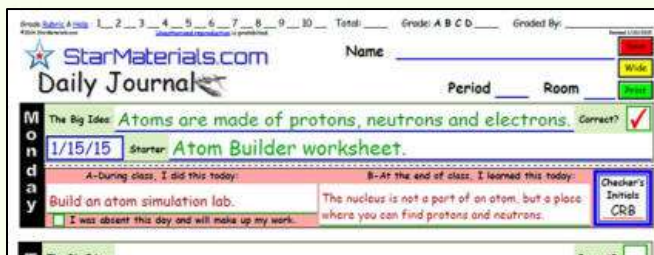
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"The Eyes of Nye", "Liberty's Kids" and more.

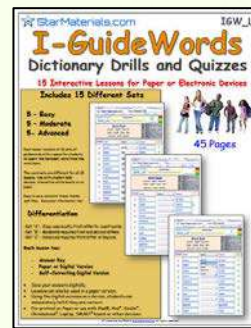
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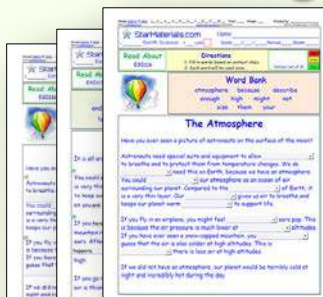
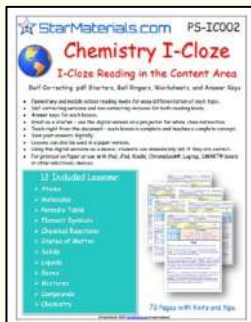
Writing in the Content Area (.pdf)  
Interactive journal worksheets.

### Free I-Guides\*



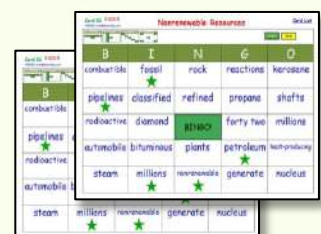
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Use Guide Words to place work in question.

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