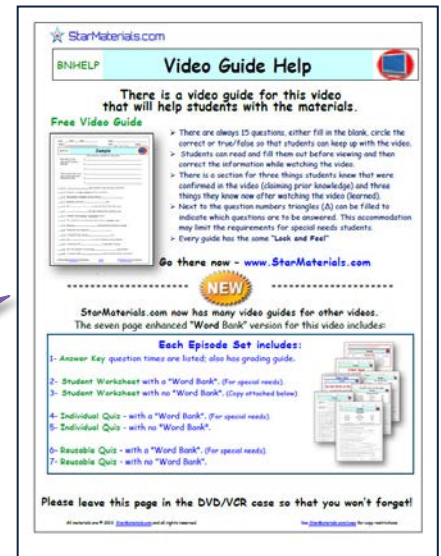




Don't worry, the worksheet is attached.

- There are two sheets attached. One is the worksheet you were looking for and the other is the Video Guide Help to leave in the VHS or DVD case for a fellow teacher.

PRINT THIS NOTICE
and put it in the
DVD or VHS case.



- Please print out both sheets and place the Video Guide Help sheet in the VHS or DVD case.

PRINT THE WORKSHEET
from the website every
time for the latest copy.



- The Video Guides are constantly being updated and revised. Please simply go to the StarMaterials.com website and download a fresh copy of the free worksheet as you need it.
- Keep checking the website for the latest teacher created and teacher tested tools for your classroom.



There is a video guide for this video that will help students with the materials.

Free Video Guide

- There are always 15 questions, either fill in the blank, circle the correct or true/false so that students can keep up with the video.
- Students can read and fill them out before viewing and then correct the information while watching the video.
- There is a section for three things students knew that were confirmed in the video (claiming prior knowledge) and three things they know now after watching the video (learned).
- Next to the question numbers triangles (Δ) can be filled to indicate which questions are to be answered. This accommodation may limit the requirements for special needs students.
- Every guide has the same "Look and Feel"

Go there now - www.StarMaterials.com

NEW

StarMaterials.com now has many video guides for other videos.
The seven page enhanced "Word Bank" version for this video includes:

Each Episode Set includes:

- 1- **Answer Key** question times are listed; also has grading guide.
- 2- **Student Worksheet** with a "Word Bank". (For special needs).
- 3- **Student Worksheet** with no "Word Bank". (Copy attached below)
- 4- **Individual Quiz** - with a "Word Bank". (For special needs).
- 5- **Individual Quiz** - with no "Word Bank".
- 6- **Reusable Quiz** - with a "Word Bank". (For special needs).
- 7- **Reusable Quiz** - with no "Word Bank".



Please leave this page in the DVD/VCR case so that you won't forget!

Room _____ Block _____ ID# _____

Name _____

Teacher _____

Date: ____ / ____ / ____

Period ____

EN05

Nuclear Energy



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 main parts of a nuclear power plant are the reactor, the generator, and _____ towers.
- ___ Δ 2. Uranium can absorb a neutron, which makes it split - or (fission / mutate) - into smaller pieces.
- ___ Δ 3. Using nuclear energy to generate electricity also creates tons of radioactive _____.
- ___ Δ 4. Radiation is any _____ that radiates: light, heat, microwaves, and radio waves.
- ___ Δ 5. Scientists use thick layers of _____ and stainless steel to contain nuclear radiation.
- ___ Δ 6. _____ Mountain is used for waste because it is dry and remote, and its rock is stable.
- ___ Δ 7. The ESF, was created in the mountain to allow scientists to examine and test the _____.
- ___ Δ 8. Without _____, there is no mechanism for the radionuclides to come in contact with the public.
- ___ Δ 9. If inhaled, a millionth of an ounce of (energy / plutonium) can cause lung cancer.
- ___ Δ 10. A _____ is the amount of time it takes for half the atoms in a piece of radioactive material to break apart.
- ___ Δ 11. Most independent experts believe that high level waste should remain at the site of (generation reactors / Yucca Mountain) for 50-100 years.
- ___ Δ 12. In over _____ years of using nuclear energy in the U.S., no one has ever been killed in a nuclear power accident.
- ___ Δ 13. Some have suggested releasing nuclear waste into _____, but the accident risk is too high.
- ___ Δ 14. If we could (conform / transmutate) our high level waste into low level waste, we could safely bury it within a century or so.
- ___ Δ 15. Right now, the nuclear waste problem has no _____.



Word Bank

Sample Word Bank

| | | |
|----------------|-----------------|----------|
| 24% / 24% | Elements | Decrease |
| 78% / 78% | Energy / Matter | Liberal |
| Carbon dioxide | Energy / Matter | Reform |
| Reform | Heat energy | Phases |
| Heat energy | Heat energy | Steady |

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

1. Everything you can touch is made of _____.

2. Solid, liquid, and gas are the phases of matter. _____.

3. The state in which matter exists _____.

4. Matter can change phases by changing the amount of _____.

5. Air is _____.

6. Water vapor is an example of _____.

7. Energy and matter do not change the phases of matter. _____.

8. Absolute zero is when energy _____.

9. The rate at which _____ changes liquid into a gas _____.

10. A solid is liquid that contains _____.

11. A gas and _____ will take the shape of a container.

12. The heating and cooling of substances can _____.

13. To change a gas to a liquid, you need to _____.

14. To change a solid to a liquid, you need to _____.

15. Changing a solid to a liquid is called _____.

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 (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.

Fill in the Blank

Sample

1. Everything you can touch is made of _____.

2. Solid, liquid, and gas are the phases of matter. _____.

3. The state in which matter exists _____.

4. Matter can change phases by changing the amount of _____.

5. Air is _____.

6. Water vapor is an example of _____.

7. Energy and matter do not change the phases of matter. _____.

8. Absolute zero is when energy _____.

9. The rate at which _____ changes liquid into a gas _____.

10. A solid is liquid that contains _____.

11. A gas and _____ will take the shape of a container.

12. The heating and cooling of substances can _____.

13. To change a gas to a liquid, you need to _____.

14. To change a solid to a liquid, you need to _____.

15. Changing a solid to a liquid is called _____.

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 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 (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

Science Quizzes

Quiz 1: 10 Questions

Quiz 2: 12 Questions

Quiz 3: 15 Questions

Quiz 4: 10 Questions

Quiz 5: 12 Questions

Quiz 6: 15 Questions

Quiz 7: 10 Questions

Quiz 8: 12 Questions

Quiz 9: 15 Questions

Quiz 10: 10 Questions

Quiz 11: 12 Questions

Quiz 12: 15 Questions

Quiz 13: 10 Questions

Quiz 14: 12 Questions

Quiz 15: 15 Questions

Quiz 16: 10 Questions

Quiz 17: 12 Questions

Quiz 18: 15 Questions

Quiz 19: 10 Questions

Quiz 20: 12 Questions

Quiz 21: 15 Questions

Quiz 22: 10 Questions

Quiz 23: 12 Questions

Quiz 24: 15 Questions

Quiz 25: 10 Questions

Quiz 26: 12 Questions

Quiz 27: 15 Questions

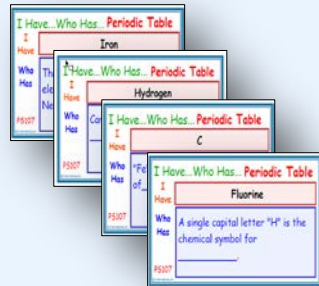
Quiz 28: 10 Questions

Quiz 29: 12 Questions

Quiz 30: 15 Questions

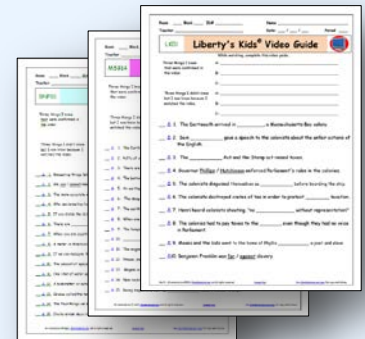
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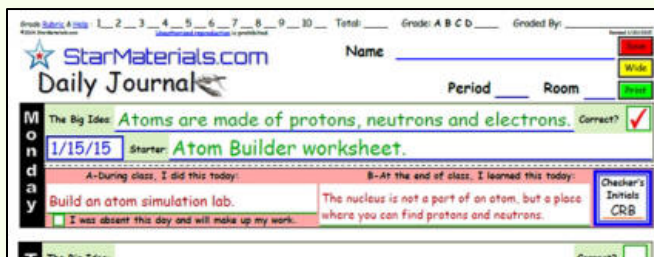
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"The Eyes of Nye", "Liberty's Kids" and more.

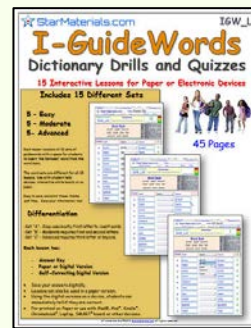
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Interactive journal worksheets.

Free I-Guides*



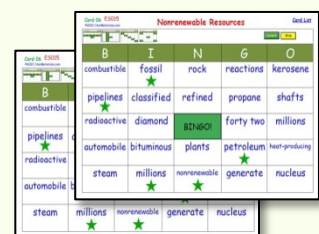
Dictionary Drills (.pdf)
Use Guide Words to place work in question.

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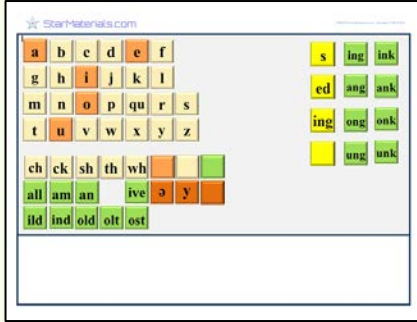
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Great concept introduction or review (.pdf)
30 Interactive BINGO Cards.

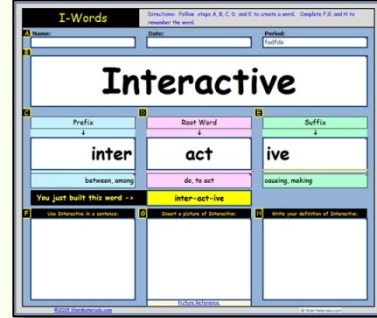
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I-Wilson® Reading Tiles*



Move letter tiles on screen. (.doc)
for teaching Wilson® steps 1 through 6.

I-Words*



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Use drop down lists for prefix, roots and suffix.

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Thanks!

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