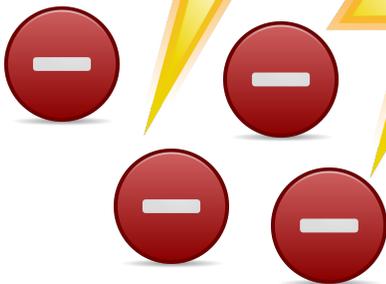


Bill Nye

Static Electricity



Bill Nye Static Electricity Key

1. Static means stay.
2. Electrons build up to create a static charge.
3. When using a Van de Graaff generator, charges repel because the charges are all the same.
4. Everything has electrons.
5. Everything has electrons. (if they discharge.)
6. Where do electrons go when they discharge? (scientific term)

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Bill Nye Static Electricity Name: _____

1. What does static mean?
2. What builds up to create a static charge?
3. When using a Van de Graaff generator, why do the charges repel?
4. What has electrons?
5. When electrons jump off, they _____ (scientific term)
6. Where do electrons go when they discharge?
7. What does the third prong on an electrical plug do?
8. What does a lightning rod do?
9. When do static charges build up on things?
10. What is a static electricity detector called?

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Bill Nye Static Electricity

Teacher Notes:

There are three versions included.

1. Short answer version with key
2. Fill in the blank version with key
(includes optional word bank)
3. Note-taking version (what did you know before, what did you learn during, and what questions do you still have)

Questions go in order with
the Bill Nye video.

Thank you!



Bill Nye Static Electricity

Short Answer Version
(with key)



Bill Nye Static Electricity

Name: _____



1. What does static mean?
2. What builds up to create a static charge?
3. When using a Van de Graaff generator, why do the charges repel?
4. What has electrons?
5. When electrons jump off, they _____.
(scientific term)
6. Where do electrons go when they discharge?
7. What does the third prong on an electrical plug do?
8. What does a lightning rod do?
9. When do static charges build up on things?
10. What is a static electricity detector called?



Bill Nye Static Electricity

Key



1. What does static mean?

Stay

2. What builds up to create a static charge?

Electrons

3. When using a Van de Graaff generator, why do the charges repel?

The charges are all the same.

4. What has electrons?

Everything

5. When electrons jump off, they **discharge**.
(scientific term)

6. Where do electrons go when they discharge?

Into the ground

7. What does the third prong on an electrical plug do?

Lets extra electrons get to or from the ground

8. What does a lightning rod do?

Lets the charges go through it to the ground

9. When do static charges build up on things?

When they rub together

10. What is a static electricity detector called?

Electroscope



Bill Nye Static Electricity

Fill in the Blank Version
(with key &
optional word bank)



Bill Nye Static Electricity

Name: _____



1. Static means _____.
2. _____ build up to create a static charge.
3. When using a Van de Graaff generator, charges repel because the charges are all _____.
4. _____ has electrons.
5. When electrons jump off, they _____.
(scientific term)
6. Electrons go _____ when they discharge.
7. The _____ on an electrical plug lets extra electrons get to or from the ground.
8. A lightning rod lets charges go through it to _____.
9. Static charges build up on things when they _____.
10. A(n) _____ is a static electricity detector.



Bill Nye Static Electricity

Key



1. Static means stay.
2. Electrons build up to create a static charge.
3. When using a Van de Graaff generator, charges repel because the charges are all the same.
4. Everything has electrons.
5. When electrons jump off, they discharge.
(scientific term)
6. Electrons go into the ground when they discharge.
7. The third prong on an electrical plug lets extra electrons get to or from the ground.
8. A lightning rod lets charges go through it to the ground.
9. Static charges build up on things when they rub together.
10. A(n) electroscope is a static electricity detector.



Bill Nye Static Electricity

Each word appears once and only once on your worksheet.

WORD BANK

 Pro Tip: Cross off words as you go so you know what you have left!

everything

electroscope

electrons

the same

into the ground

third prong

the ground

rub together

discharge

stay

Bill Nye Static Electricity

Each word appears once and only once on your worksheet.

WORD BANK

 Pro Tip: Cross off words as you go so you know what you have left!

everything

electroscope

electrons

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the ground

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Bill Nye Static Electricity

Each word appears once and only once on your worksheet.

WORD BANK

 Pro Tip: Cross off words as you go so you know what you have left!

everything

electroscope

electrons

the same

into the ground

third prong

the ground

rub together

discharge

stay

Bill Nye Static Electricity

Note-taking Versions





Name: _____

Static Electricity

What did you already know about static electricity before watching this episode of Bill Nye?

← PAST

What did you learn about static electricity while watching this episode of Bill Nye?

← PRESENT

What questions do you still have about static electricity after watching this episode of Bill Nye?

← FUTURE



Name: _____

Static Electricity

What did you already know about static electricity before watching this episode of Bill Nye?



BEFORE

What did you learn about static electricity while watching this episode of Bill Nye?



DURING

What questions do you still have about static electricity after watching this episode of Bill Nye?



AFTER

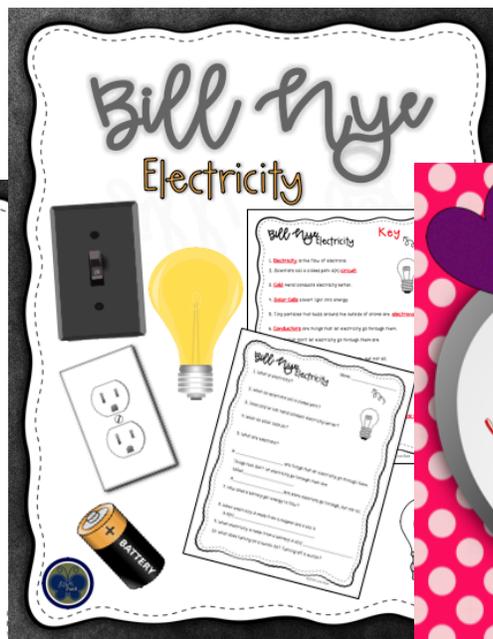


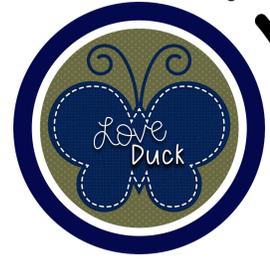
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Credits

Thank you!

