Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class period \_\_\_\_\_\_

Bill Nye -Simple Machines S1E10 video follow along.  
Circle the word (and write it in the blank) that **best** completes the sentence or answers the question from the video .

1. Wheels, pulleys, ramps, and \_\_\_\_\_\_\_\_\_\_\_\_ all help make our work easier, they are all simple machines.

Phones Rope Hands Cars

2. Leavers allow us to change the size and \_\_\_\_\_\_\_\_\_\_\_\_\_ of forces

Direction Speed Shape Volume

3. During the try this portion they explain that making a lever or catapult at home is easy and that it has two ends and a pivot point that touches the table called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Rod Middle Fulcrum Spoon

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are like a ramp and a ladder combined.

Hill Escalator Elevator Stairs

5. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a ramp wrapped around a rod (or stick).

Staircase Nail Rivet Screw

6. During the way cool scientist part the doctor (Ramona Okumura) specializes in helping people with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Joints & bones Mouth & throat Ear & nose Prosthetics & Orthotics

7. Cranes use the following simple machines to lift heavy objects \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ramps Pulleys Wedges Screws

8. During the check it out segment they are all on a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ using simple machines.

Car Train Boat Plane

9. Bill wins the Tour De Science race and the main reason he gives for winning is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Gear ratio It's my show I hung back there and waited to make a move

10. What is needed to make a lever? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

11. In your own words explain what a simple machine is. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. List 4 different simple machines. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Name \_\_\_\_\_ANSWER KEY \_\_\_\_\_\_ Class period \_\_\_\_\_\_\_\_\_***

Bill Nye -Simple Machines S1E10  
Circle the word (and write it in the blank) that best completes the sentence or answers the question from the video .

1. Wheels, pulleys, ramps, and \_\_\_\_\_\_\_\_\_\_\_\_ all help make our work easier, they are all simple machines.

Phones ***Rope*** Hands Cars

2. Leavers allow us to change the size and \_\_\_\_\_\_\_\_\_\_\_\_\_ of forces

***Direction***  Speed Shape Volume

3. During the try this portion they explain that making a lever or catapult at home is easy and that it has two ends and a pivot point that touches the table called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Rod Middle **Fulcrum** Spoon

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are like a ramp and a ladder combined.

Hill Escalator Elevator ***Stairs***

5. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a ramp wrapped around a rod (or stick).

Staircase Nail Rivet ***Screw***

6. During the way cool scientist part the doctor (Ramona Okumura) specializes in helping people with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Joints & bones Mouth & throat Ear & nose ***Prosthetics & Orthotics***

7. Cranes use the following simple machines to lift heavy objects \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ramps ***Pulleys*** Wedges Screws

8. During the check it out segment they are all on a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ using simple machines.

Car Train Boat ***Plane***

9. Bill wins the Tour De Science race and the main reason he gives for winning is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Gear ratio ***It's my show*** I hung back there and waited to make a move

10. What is needed to make a lever? ***A fulcrum, a pivot, or a place to turn around, a stick and a fulcrum and you got a lever.***

11. In your own words explain what a simple machine is. ***Answers will vary***

12. List 4 different simple machines. ***Wheel, lever, Inclined plane, pulley, wedge, screw (you may accept examples of these)***

Hope that these links help in finding the video if you haven't found it yet  
 (working 4/17/17)

No promise that these are still working they are just a bonus to be helpful

<http://www.dailymotion.com/video/x3cvmov>

<http://www.dailymotion.com/video/x52jtux_bill-nye-the-science-guy-s01e10-simple-machines_tv>

<http://www.dailymotion.com/video/x4n570o_bill-nye-the-science-guy-s-1-e-10-simple-machines_tv>

<http://www.dailymotion.com/video/x43wqi5_bill-nye-the-science-guy-simple-machines_fun>

<http://www.dailymotion.com/video/x3jyujv_bill-nye-the-science-guy-season-1-episode-10-simple-machines_shortfilms>

<https://vimeo.com/119344049>

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