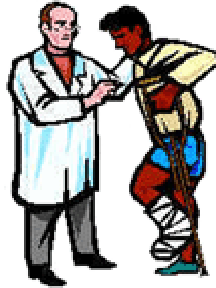


# Diagnostic Assessment for How Can We Move Our Principal?



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# Assessment Instructions

## How Can We Move Our Principal? Diagnostic Assessment/Day 1 Constructed Response, Selected Response

### **Duration:**

15 minutes writing, 10 minutes science

### **Standard(s) Assessed:**

SC.C.2.2.1.3.1, SC.H.3.2.1.3.1, SC.H.3.2.2.3.1, LA.B.2.2.3.3.1, LA.B.2.2.4.3.1, LA.B.2.2.6.3.1, LA.B.2.2.6.3.2

### **Description of Assessment Activity:**

This is a multiple choice, short answer, and expository writing assessment. Students identify simple machines. They also answer questions on the machine's affects on life style and health. Students then write an expository paragraph about a machine they have used.

### **Teacher Directions:**

Explain to students that the purpose of this assessment is to see what they already know and to tell the teacher what needs to be taught. Explain that no grades will be given. Since this is a diagnostic assessment, the only assistance that should be given is to assist those students who have reading difficulties.

Students and teachers tend to get stressed over the diagnostic assessment, but students should be made aware that they probably wouldn't know the answers. Don't allow students to labor over this assessment and become frustrated.

**Note:** The pictures used on this assessment duplicate best if downloaded from the Unit Plan from Beacon Learning Center site at <http://www.beaconlc.org/planner/display.asp?unitId=217>, then copied. Copies made from copies tend to be poor quality.

### **Student Directions:**

Read the directions carefully and complete the assessment by filling in the circle by your answer in the first section. Then write a paragraph about a machine you have used. If you do not know an answer, skip it and continue. There may be many answers you don't know, but that it all right..

### **Scoring Method & Criteria:**

Since the purpose of a diagnostic assessment is to gather information rather than to assign a grade, the data gathered should be recorded, but no grade will be assigned.

Name \_\_\_\_\_  
Date \_\_\_\_\_

## How Can We Move Our Principal?

### Diagnostic Assessment

1. Complete the chart by writing the **type of simple machine** in the blank.



1. This simple machine is a \_\_\_\_\_.



2. This simple machine is a \_\_\_\_\_.



3. This simple machine is a \_\_\_\_\_.



4. This simple machine is a \_\_\_\_\_.



5. This simple machine is a \_\_\_\_\_.



6. This simple machine is a \_\_\_\_\_.

**Read each question. Mark your answer by filling in the circle by your answer choice.**

7. Where is the best place to look for information about the use of a lever?
- A. In the atlas
  - B. On the internet
  - C. Ask my teddy bear
  - D. In my social studies book

8. Where is the best place to look for information about the use of a pulley?
- A. In my math book
  - B. From Math Blasters
  - C. In an encyclopedia
  - D. In a spelling book
9. Where is the best place to look for information about the use of a wedge?
- A. In a computer encyclopedia
  - B. In the fun reading section of the library
  - C. Ask my principal
  - D. In my social studies book
10. How can an inclined plane help a person with a broken leg?
- A. It makes the leg heal.
  - B. It is easier to go up steps.
  - C. The leg will be too heavy.
  - D. It cannot help.
11. How can a wheel & axle help a person open a door?
- A. The doorknob is a wheel & axle.
  - B. It can swing wide open.
  - C. The door may be locked.
  - D. Some garage doors are on wheels.
12. Write a paragraph about a simple machine you have used. Explain the machine and how you used it.

Name \_\_\_\_\_  
Date \_\_\_\_\_

## How Can We Move Our Principal?

### Diagnostic Assessment

#### *Answer Key*

1. Complete the chart by writing the **type of simple machine** in the blank.  
(SC.C.2.2.1.3.1)



1. This simple machine is a  
*pulley.*



2. This simple machine is a  
*inclined plane.*



3. This simple machine is a  
*wedge.*



4. This simple machine is a  
*screw.*



5. This simple machine is a  
*wheel and axle.*



6. This simple machine is a  
*lever.*

**Read each question. Mark your answer by filling in the circle by your answer choice.**

7. Where is the best place to look for information about the use of a lever?  
(SC.H.3.2.1.3.1, LA.B.2.2.4.3.1)

*B. On the internet*

8. Where is the best place to look for information about the use of a pulley?  
(SC.H.3.2.1.3.1)

- ***C. In an encyclopedia***

9. Where is the best place to look for information about the use of a wedge?  
(SC.H.3.2.1.3.1, LA.B.2.2.4.3.1)

- ***A. In a computer encyclopedia***

10. How can an inclined plane help a person with a broken leg? (SC.H.3.2.2.3.2)

- ***B. It is easier to go up steps.***

11. How can a wheel & axle help a person open a door? (SC.H.3.2.2.3.2)

- ***A. The doorknob is a wheel & axle.***

12. Write a paragraph about a simple machine you have used. Explain the machine and how you used it.

(LA.B.2.2.3.3.1, LA.B.2.2.6.3.1, LA.B.2.2.6.3.2)

***You are looking for areas that will satisfy all three writing standards listed. The purpose of this writing is to explain. It should contain details that explain how to use a machine as well as a description of the machine. No irrelevant or repetitious information is accepted. The writing must stay on focus while developing the supporting ideas.***

***Remember that this is a diagnostic assessment, so no assistance should be given to students. The purpose of this activity is to assess what the students can already do.***