Name ______ Per. _____

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Navigate to the website:

https://ees.as.uky.edu/sites/default/files/elearning/module11swf.swf

or Google: ees uk mass movement



- 1) Read and scroll the text to define mass movement:
- 2) Three (3) Examples:

OVERVIEW

- 3) FORCES: driving force for mass movement is....
- 4) FACTORS include: ______, _____, _____, and ______, and ______

← 1 **→**

5) **DRIVING AND REISITING FORCES**: check each circle and place it in the correct side

Increases driving force or decreases (lowers) resistance force CAUSES mass movement	Decreases driving force or increases resistance force: PREVENTS mass movements	



- 6) G_p represents: ______
- 7) Gd represents: ______
- 8) The boulder will roll downhill when the Gp has ________ and the Gd has _______



CONTROLS- SLOPE MATERIALS

- 9) Unconsolidated materials such as ______ are particularly prone to mass movement because they......
- 10) Strong crystalline rocks such as granite, gneiss, and limestone are very strong and ______ to mass movement
- 11) Sketch a diagram of a **tilted 'dip slope'**

- 12) Fractures due to ______ create zones of weakness.
- 13) What is the benefit of **plant roots** and **vegetation** to mass movement?



14) CONTROLS – WATER

Water amount	Results
Dry Sand	
Damp Sand	
Saturated Sand	
Rainstorm	



CONTROLS – VEGATATION



Label each type of mass movement below as either FALL, SLIDE, CREEP or FLOW 25)



MODEL

26)

Select one factor from each location to model best and worst situation

BEST / WORST SCENARIO	3 IMPROVEMENTS	RESULTS
BEST combination of factors		Mass movement Stable
		Mass movement stable
WORST combination of factors		Mass movement stable