

iClickers

- We know that:
 - 1. Some of you don't have your clickers yet.
 - 2. Your device battery might die.
 - 3. You might miss some classes.
- **Don't Panic.**
- iClickers – answer $\geq 80\%$ of all iClicker questions and you will receive full performance marks

iClickers

- Also remember – the same clicker course is used in both morning and afternoon classes.
- If you need to swap for any reason (e.g. Doctors appointment) you can – we will find your data!
- You should have a maximum of 50% attendance!
(You wont get credit for coming to two classes on one day though!)
- Grading began at the start of Waves

iClicker Question - Practice

Which one natural disaster has most affected you or your family?

(Or if none has affected you, which most worries you?)

A) Earthquakes or Tsunami

B) Volcanoes

C) Landslides

D) Storms

E) Meteor Impacts
(Mass Extinctions)

iClicker

A solid iron cannon ball will sink when placed in a fluid

(A) yes

(B) no

(C) not enough info
to answer



visualphotos.com

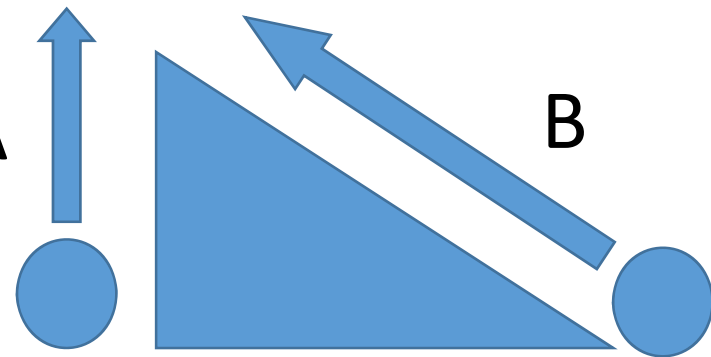
iClicker Question??

If you push hard (with a strong force) against a wall that does not move, then:

- (A) you've done infinite work
- (B) you've done zero work
- (C) the amount of work depends on how much time you spent pushing it
- (D) the work increases as gravity increases
- (E) depends on how high above the ground you push against the wall

iClicker Question

- Which gains the most Potential Energy?
- (A) Lifting a 2 kg object vertically
- (B) Rolling a 2 kg object to the same height up a
- frictionless slope
- (C) They gain the same amount of PE
- (D) Not enough info to answer



Clicker Question

When you get out of a shower and the bathroom door is open you are cold because:

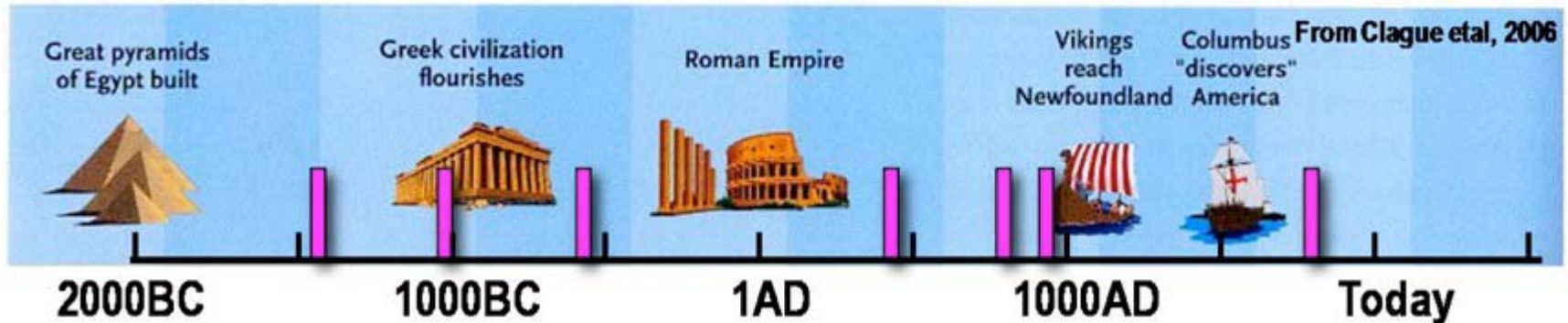
- A) Water from the shower was cold
- B) Liquid water uses heat from your body to become water vapour
- C) There is a breeze. ("Close the damn door!")
- D) Water vapour is condensing onto your body using your heat

iClicker Question

A disaster of intensity 6 is how much stronger than a disaster of intensity 4?

- (A) 2
- (B) 10
- (C) 100
- (D) 104
- (E) 106

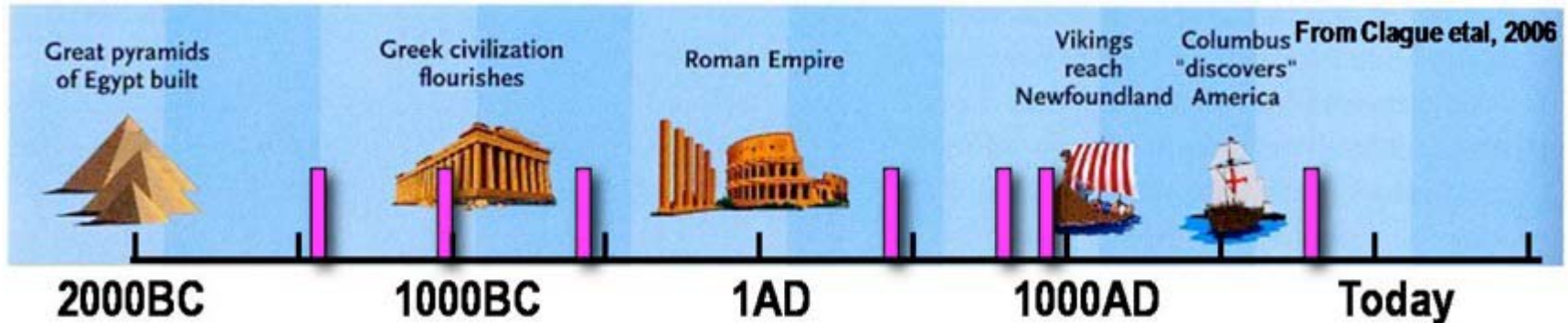
iClicker



- For SW Canada, extremely destructive earthquakes ($>M_w 8$) have occurred as plotted above with magenta bars. Estimate the return period (in years)?
- A) 155 years
- B) 286 years
- C) 572 years
- D) 2000 years
- E) not enough
- info to answer

$$RP(M) = \frac{\text{time span of data}}{\# \text{ of cases of mag. } M}$$

iClicker bonus



- For SW Canada, extremely destructive earthquakes ($>M_w 8$) have occurred as plotted above with magenta bars.
Predict when the next $M_w 8$ EQ will happen?

- A) this year
- B) approx. 2065
- C) approx. 2300
- D) approx. 2600
- E) not enough
• info to answer

$$RP(M) = \frac{\text{time span of data}}{\# \text{ of cases of mag. } M}$$

Clicker Question?

Read this statement – which of the following framework concepts applies here?

The two category 5 hurricanes of the 2017 Atlantic hurricane season (Irma and Maria) are compared in terms of cost in lives and damage to infrastructure.

- A. Processes**
- B. Forecasts or predictions**
- C. Consequences**
- D. Mitigation**
- E. None of these**

iClicker Question


You have a greater chance of dying in a car crash than winning the lottery

- A) True
- B) False
- C) Please don't make me think about dying



Photo: flickr user [Joe Szilvagy](#) [CC License](#)

iClicker Question

A photograph of a Ryanair airplane in flight, viewed from a low angle. The plane is white with red accents on the tail and engines. It is flying over a town with many houses and trees. The background is slightly blurred, suggesting motion.

You have a greater chance of dying in a plane crash than winning the lottery

A) True

B) False

C) Please don't make me think about dying again

Photo [Jason Puddephatt](#) – CC License

iClicker Question

What is the most deadly animal, other than humans, in North America (i.e. kills the most people)?

- a) Bear
- b) Dog
- c) Moose
- d) Shark
- e) Other