

Physics 211

Sections 1 & 70

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Fall 2012

Lecture 1 (8/28/12)

Clicker question #1

**Understand
natural
world**

Objective

**Impressionist
Art**

**Computer
Simulations**

Physics

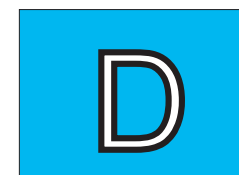
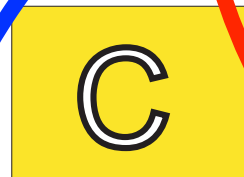
Taste test

**Super Mario
Bros.**

**Uses
Measurement**

**Personal
value
of an antique**

**Where
would
you place
sports
statistics?**



Clicker question #2

- To the nearest power of 10, how far is it from this room to LAX airport in meters?

Hint: $1 \text{ km} = 10^3 \text{ m} = 0.6 \text{ mi}$

A

10^3 m

B

10^4 m

C

10^5 m

D

10^7 m

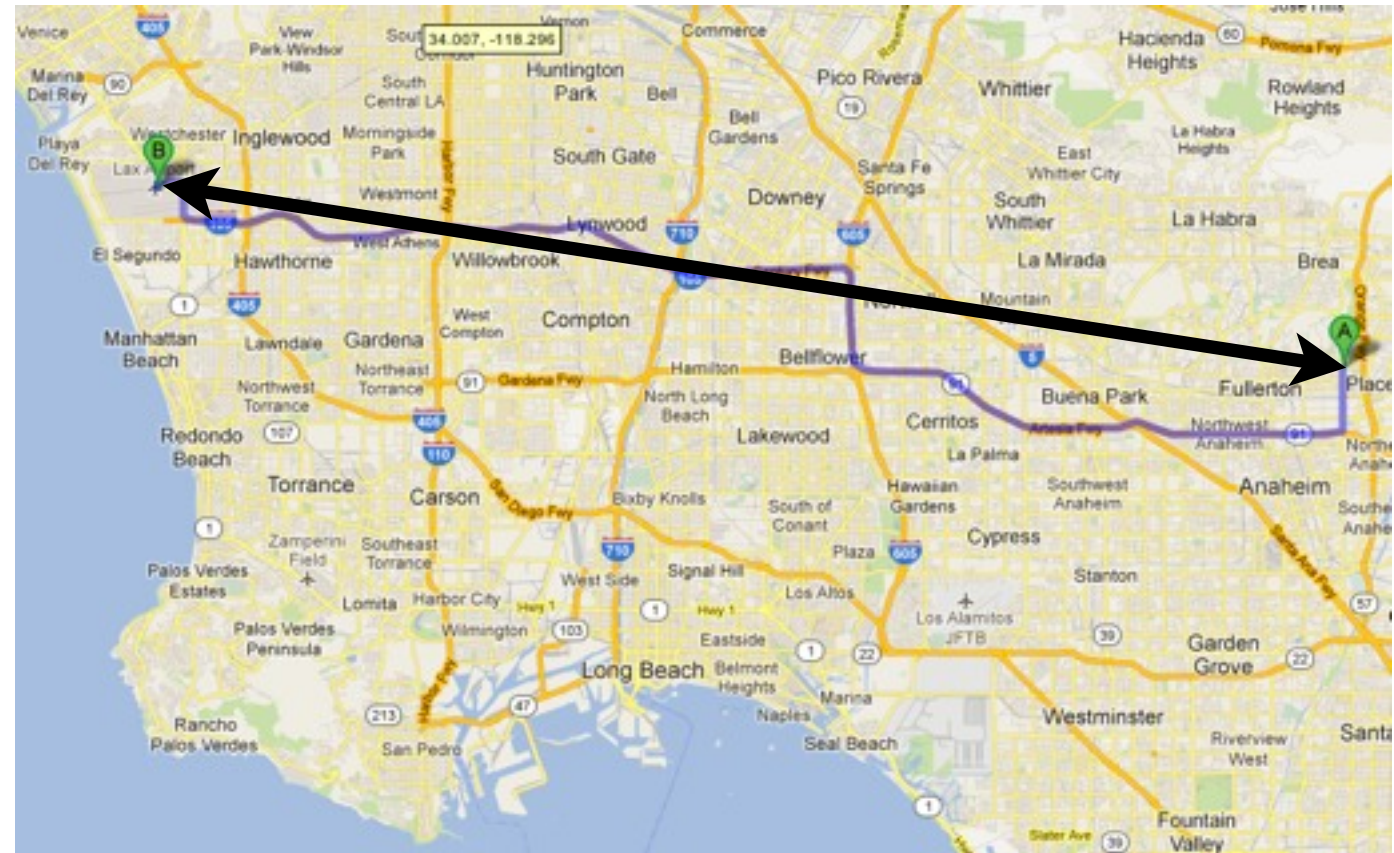


Image courtesy Google maps

Clicker question #3

- To the nearest power of 10, what is the diameter of the earth in meters?

Hint: $1 \text{ km} = 10^3 \text{ m} = 0.6 \text{ mi}$

A

10^6 m

B

10^7 m

C

10^8 m

D

10^9 m

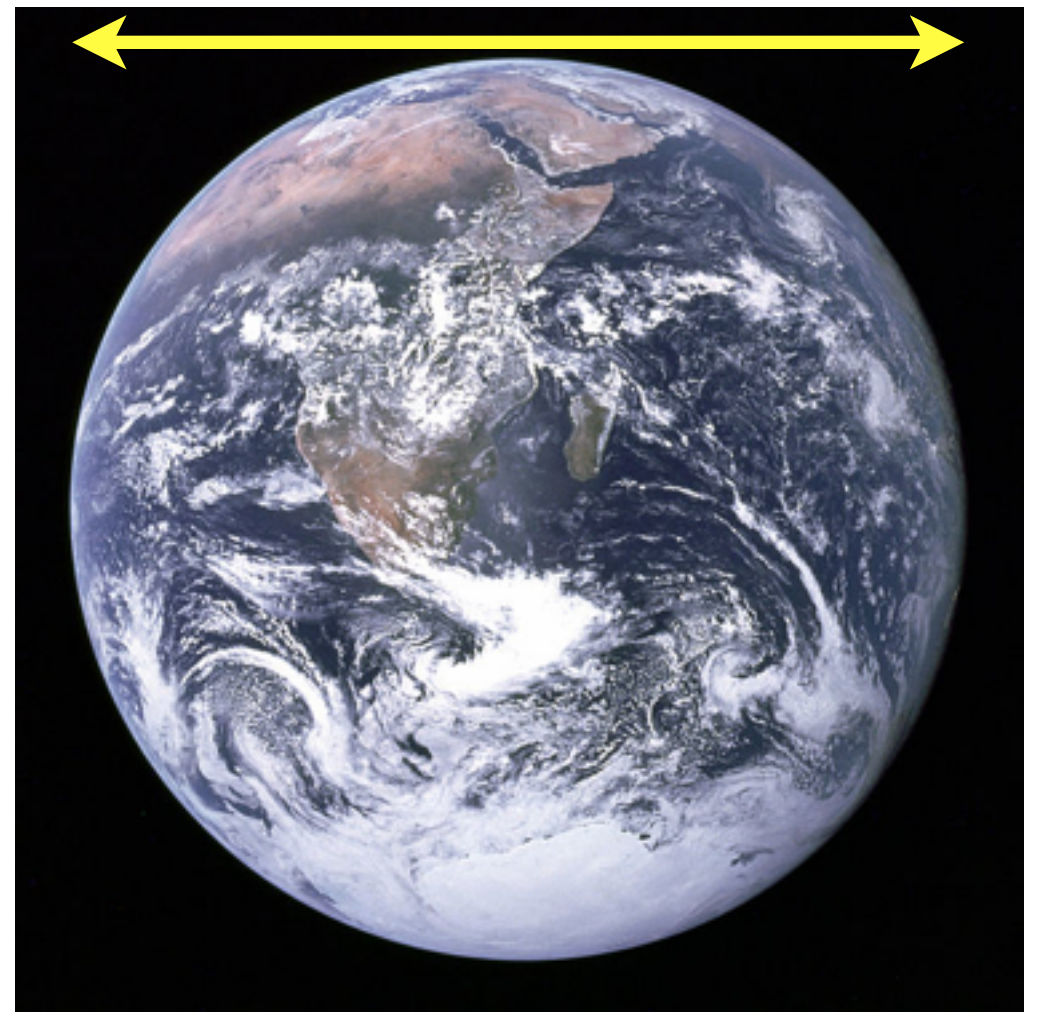


Image courtesy Wikipedia

Clicker question #4

- To the nearest power of 10, what is the size of a human white blood cell in meters?

Hint: $1 \text{ km} = 10^3 \text{ m} = 0.6 \text{ mi}$

A

10^{-9} m

B

10^{-7} m

C

10^{-5} m

D

10^{-3} m

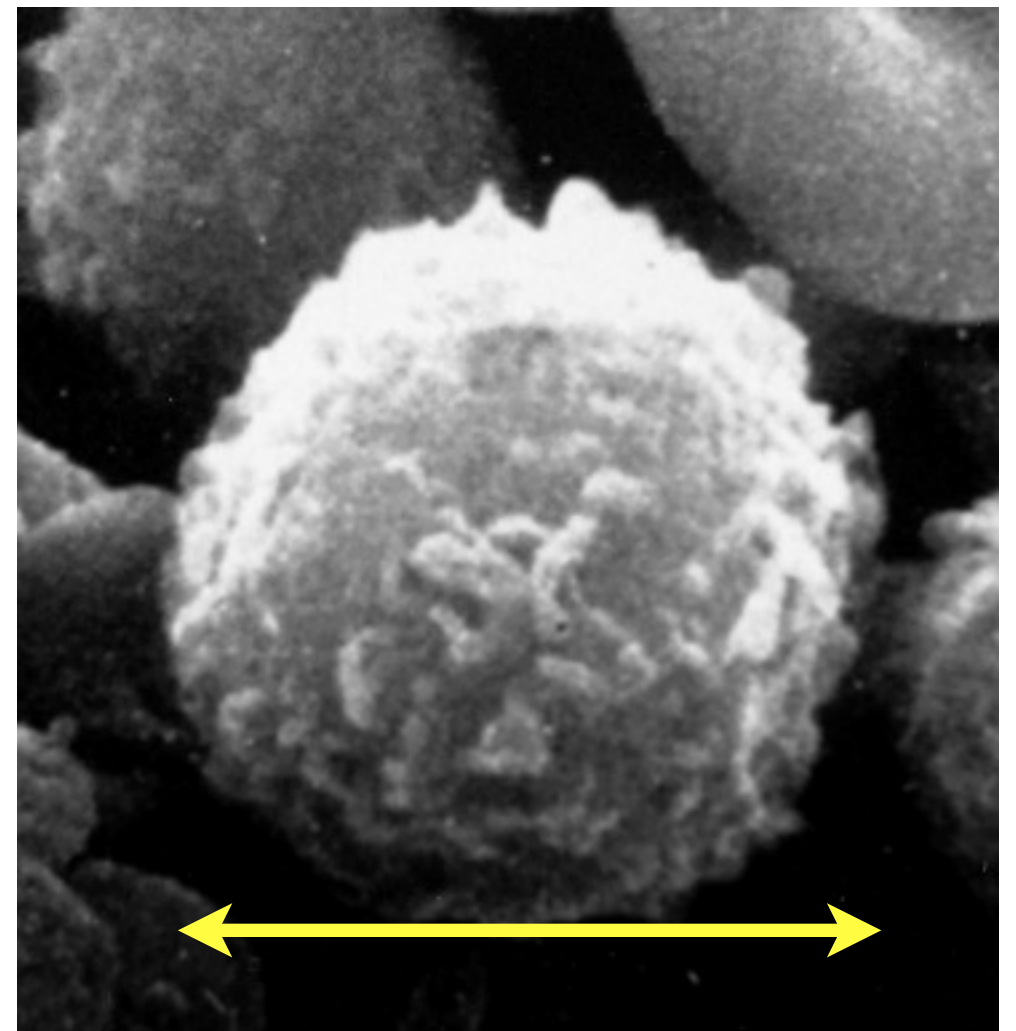


Image courtesy Wikipedia