

Physics 211

Sections 1 & 70

Dr. Geoffrey Lovelace

Fall 2012

Lecture 2 (8/30/12)

Looking forward to...

Lab experiments

“Practical applications of trigonometry”

“I get a participation point for this card”

Applications to everyday life (13%)

Black holes

Gravity

Learning new things

Mass

Rotation

Challenging myself

“Redemption”

Class lectures

Learning about physics (47%)

Using more of my brain

A new way of thinking

Voting

Nothing

Finishing this class

Getting a good grade (14%)

“Having a free tutor (my boyfriend)”

My first physics course

“Better understanding physics so

Angular momentum

I will not abhor it so much”

Centripetal motion

Question/concern...

Math? (12%)

Difficulty of class (6%)

“I don’t like the earth you drew”

MCAT

Online lecture notes? (6%)

Work example problems?

Exams? (5%)

“Potential and kinetic energy :(”

Wrong book?

Pace too fast

Nothing (18%) “Test problems we don’t go over”

Let us out early?

I speak too fast/quietly/
unclearly (4%)

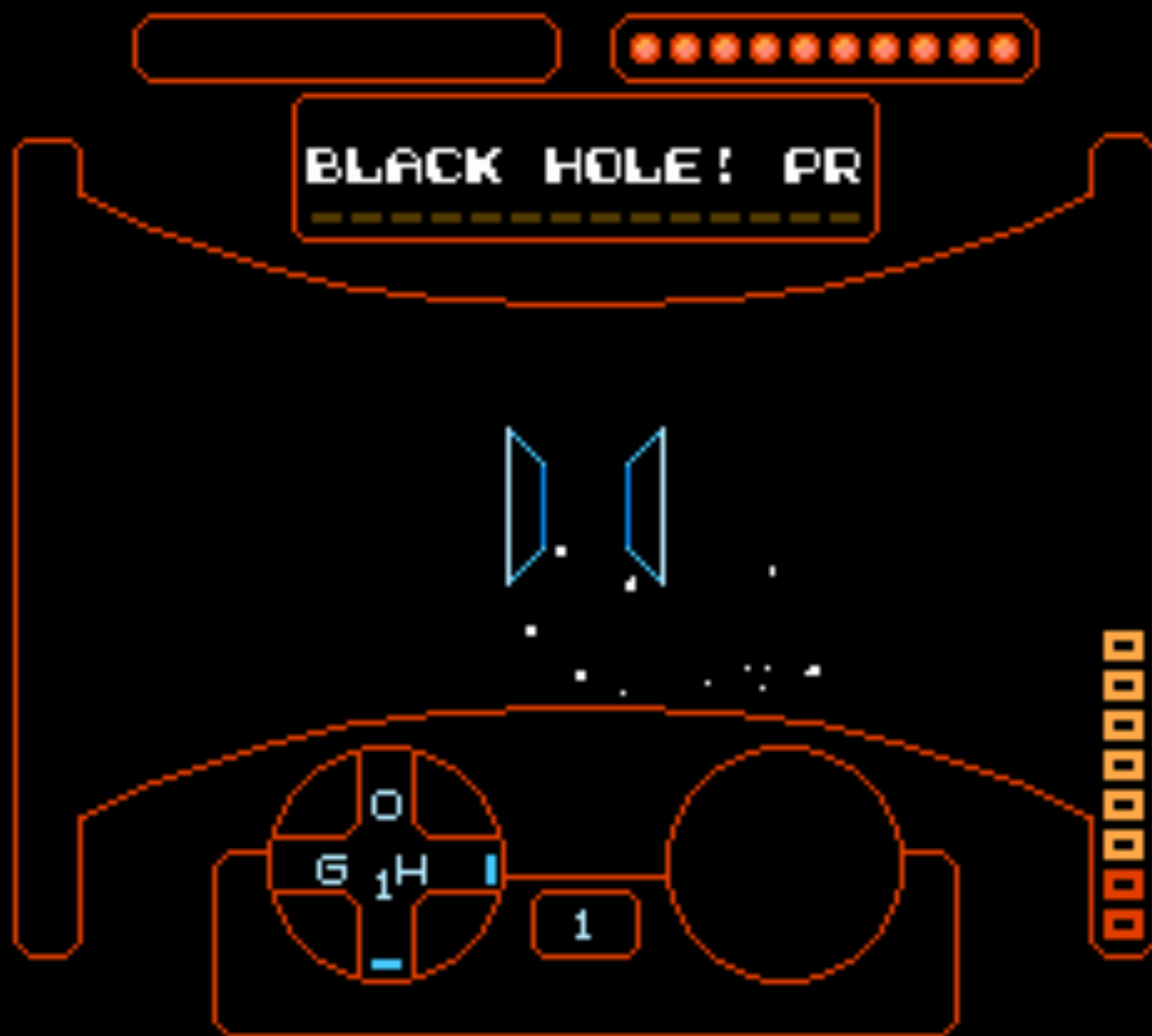
Calculators/computers?

“Memorizing over 5 equations for exams >:(”

Curve?

“What drives your interest in physics?”

My handwriting is bad (5%) Room too hot



Clicker question #5

- 5L blood / human ($1 \text{ L} = 10^{-3} \text{ m}^3$)
- 10^4 white blood cells / mm^3 ($1 \text{ mm} = 10^{-3} \text{ m}$)
- To the nearest power of 10, how many white blood cells / human?

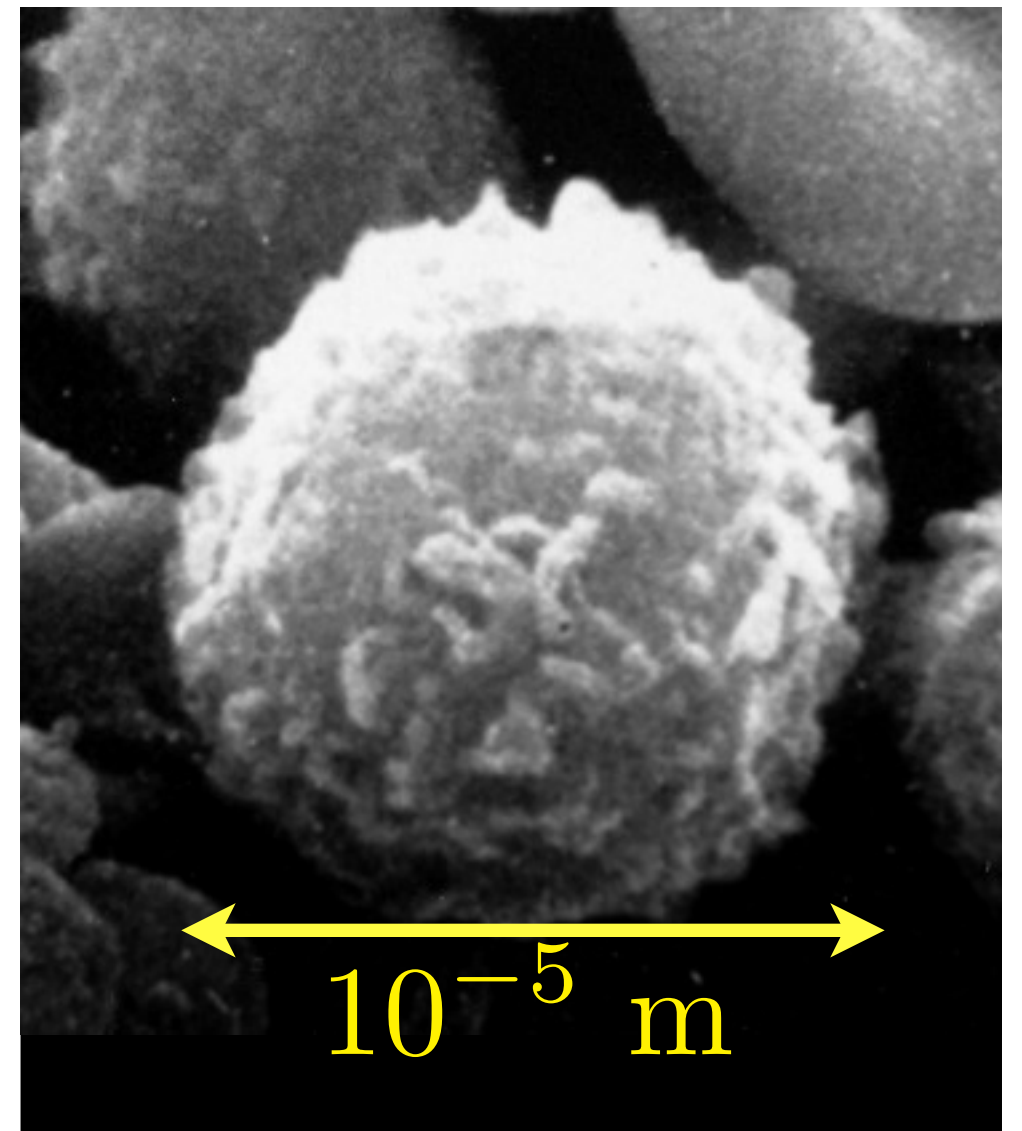


Image courtesy Wikipedia

Clicker question #5

- 5L blood / human ($1 \text{ L} = 10^{-3} \text{ m}^3$)
- 10^4 white blood cells / mm^3
- To the nearest power of 10, how many white blood cells / human?

A

10^{11}

B

10^8

C

10^5

D

10^9

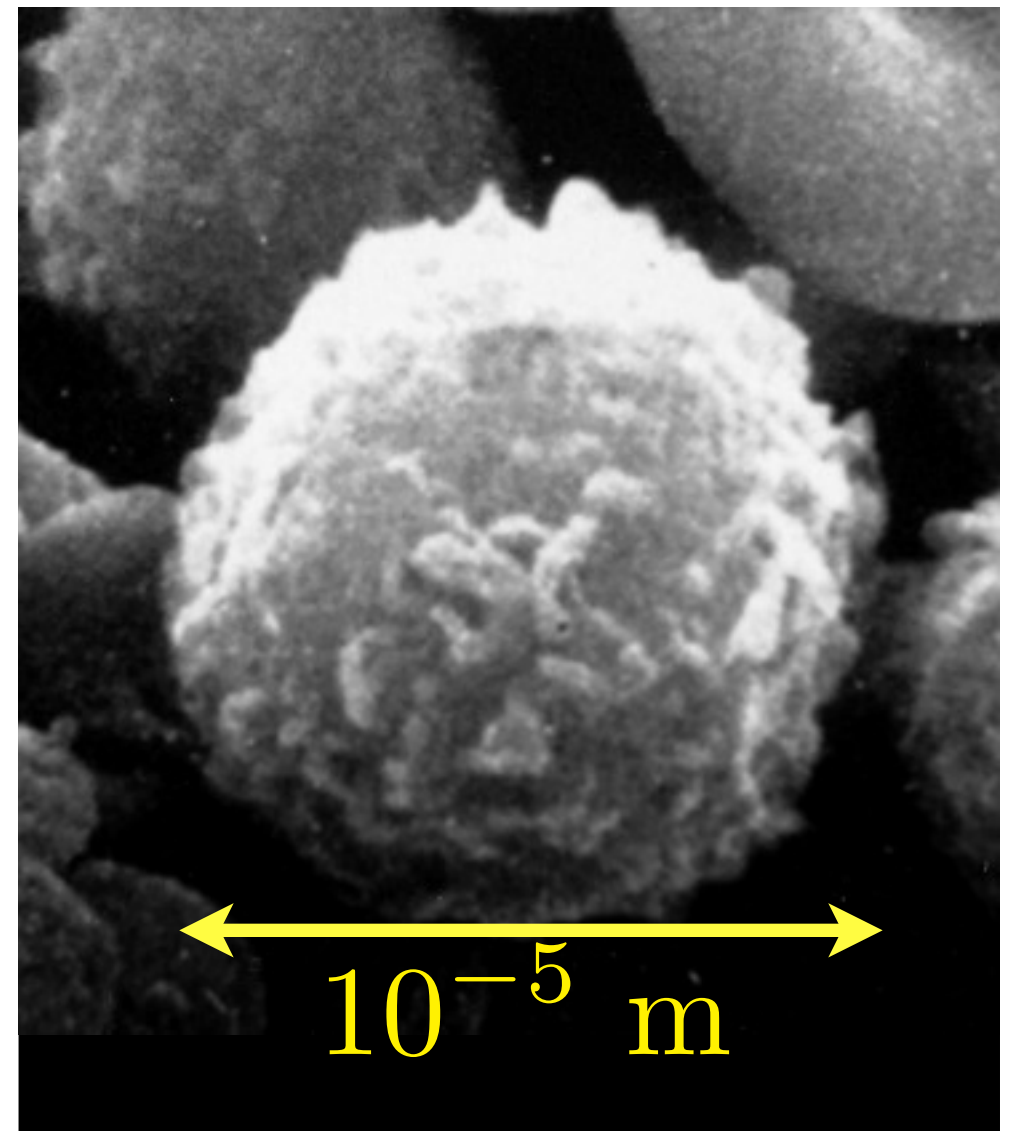


Image courtesy Wikipedia

Clicker question #6

source: latimes.com

- How should the headline read?

A

Obama has slight lead

B

Obama & Romney tied in new poll

C

No new information in presidential poll

Obama leads 48% to 45% among all registered voters in the survey and by 48% to 46% among those considered likely to vote, according to the USC Annenberg/Los Angeles Times poll on Politics and the Press.

While those results are within the poll's margin of error, they speak to the remarkable stability of the presidential race, in which Obama has held a small lead in most polls

Obama has slight lead over Romney in new nationwide poll

The USC Annenberg/Los Angeles Times poll on Politics and the Press shows Obama leading Mitt Romney 48% to 45% in a race one pollster labels 'static.'



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Recommend



Clicker question #7

- If you travel at a speed $(4.0 \text{ m}) / (3.0 \text{ s})$, how fast did you travel in m/s?

Hint: m=meter, s=second

A

1.3 m/s

B

1.3333333333333333 m/s

C

$\frac{4}{3}$ m/s

D

1 m/s