Outline

- Electric Potential
- Capacitors

Office hours this week:

Wed 5-6.30 office hours AV Williams Rm 3341
Thu 3-4pm Course Center
Model of PE for 2 line charges (3D)
Where would a test charge feel the strongest electric force?

1. A
2. B
3. C
4. A and B
Where would a test charge feel the strongest electric force?

1. A
2. B
3. C
4. A and B
Where would a test charge feel the largest electric field?

1. A
2. B
3. C
4. A and B
Model of PE for 2 line charges

Where would a test charge feel the largest potential energy?

1. A
2. B
3. C
4. A and B
5. Depends on whether the test charge is positive or negative
Map of electric PE for 3 charges (water molecule) (3D)

Where would a test charge feel the strongest electric force?

1. A
2. B
3. C
4. D
5. E
6. More than one
The sheet of charge

- Field is constant, pointing away from positive sheet, towards negative sheet.
- Constant!!? How can that be?
Two sheets of charge
Two sheets of charge