

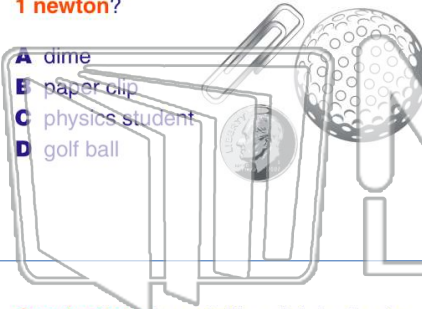


Name _____ Class _____ Date _____

1

Which object **weighs** approximately **1 newton**?

- A dime
- B paper clip
- C physics student
- D golf ball



2

Compared to **8 kilograms of feathers**, **6 kilograms of lead** has

- A less mass and less inertia
- B less mass and more inertia
- C more mass and less inertia
- D more mass and more inertia



3

Conductivity in metallic solids is due to the **presence of free**

A nuclei



4

Which substance **remains a liquid** over the **smallest** temperature range?



5

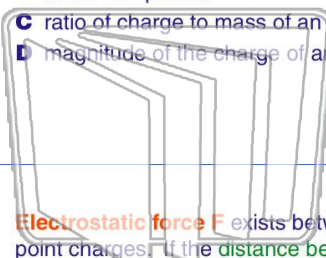


PREVIEW

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7

- A sign of the charge of an electron
- B mass of a proton
- C ratio of charge to mass of an electron
- D magnitude of the charge of an electron



has a charge of **+16** elementary charges. After the two spheres are brought into **contact**, the **charge on sphere A** is

- A -2 elementary charges
- B +2 elementary charges
- C +14 elementary charges
- D +23 elementary charges

9

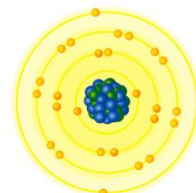
Electrostatic force F exists between two point charges. If the **distance between the charges is tripled**, the **force** between the charges will be

- A F/9
- B F/3
- C 3/F
- D 9F

10

Compared to insulators, **metals are better conductors of electricity** because metals contain **more free**

- A protons
- B electrons
- C positive ions
- D negative ions

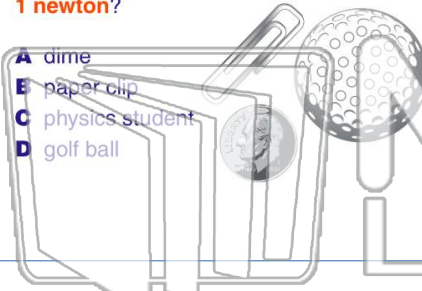




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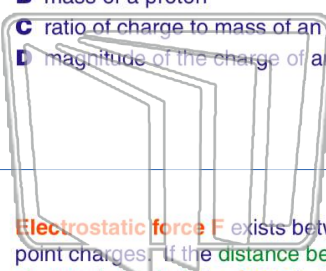


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