

1. (2 points) In one or two sentences, please explain the rules for unacceptable attire in the laboratory.

No open toed shoes, long hair tied back,
Something like this . . .

2. (2 points) True or false: (circle one) It is the 12th week of classes and Joe Chemnerd is told he has a "D-" in the course. He mathematically determines that there is no way he can pass chem. 6A even if he earns 100% on the remaining material. Can he drop to save his GPA?

3. (2 points) In one sentence, define "matter":

Anything that occupies space and has mass.

4. (3 points) Classify each of the following chemical properties as *chemical* or *physical*. (circle one)

a. Sodium metal reacts with water

chemical or physical

b. Water freezes at 0°C

chemical or physical

c. Aluminum has a density of 2.7 g/cm³

chemical or physical

5. (3 points) Classify the following as a *homogeneous* or *heterogeneous* substance. (circle one)

a. Milk

homogeneous or heterogeneous

b. Copper wire

homogeneous or heterogeneous

c. Common black table pepper

homogeneous or heterogeneous

6. (3 points) Give the correct chemical name or symbol of the following. (Spelling counts)

a. Na

Sodium

b. Iron

Fe

c. Cl

Chlorine

d. potassium

K

e. Ar

Argon

f. copper

Cu