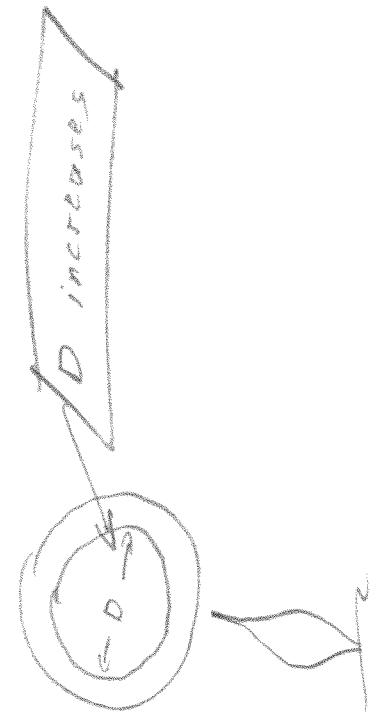


16. Temp is related to Ave. molecular K.E. in a substance

(A)

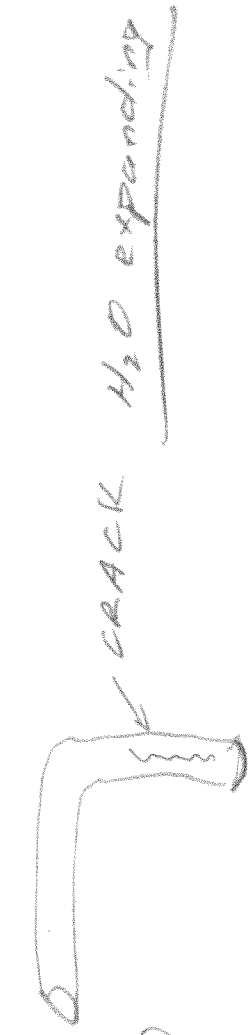
17. Heat is measured in kcal, joules, cal

(D)



18.

(A)



19.

(A)

20. Lowest possible temp is 0 K or -273°C.

(A) Note: 3rd law of thermo says can't get there.



21.

50 kg

Find p (momentum)

$$P = m \cdot v$$

$$v = \frac{dx}{dt}$$

$$v = \frac{100m}{20s}$$

$$v = 5 \text{ m/s}$$

$$P = 50 \text{ kg} \cdot 5 \text{ m/s}$$

$$P = 250 \text{ kg m/s}$$