Demonstration for Concept Q SOZ.HTM ring/ball/ **brch** Slide 503.html Taipei skysvaper DT = DL = 0.471'
(1.2.10-6 K-1)(1671') => T2 = T, + BT = 39.0 °C Concept Q 503. html W= V08DT => C would have biggest DV But question ask about BY/U0 => TE For a cabe: $\frac{V_{V_0} - V_{\tau} - V_{0}}{V_{0}} = \frac{V_{0} + V_{0} \beta \Delta T - V_{0}}{V_{\infty}} = \beta \Delta T$ and $\frac{\Delta V}{V_0} = \frac{L_0^3 \left[(1 + \alpha \Delta T)^3 - 1 \right]^3}{L_0^3}$ = 1+3x107 +3x1072+ x31073-1 - 3x AT + 32 AT + 43 AT3 or 823x for 1714/ 234 ST FOR BT (1) Application slide 504. html Twinter = -40°C DL = Lod DT = (1.03m)(1.2.10.5k-) (80k)
TSUMMPF = +40°C = 0.96 m $= 0.96 \, \mathrm{m}$ Concept a So4. html

i) Twice as bot? No - needs to be on k scale ii) 40 pipes? Pipes shrink as they cool, but 40 expands near oc Hy thermaneter?

By Bolon 3 the will object granadiscally as an also la
By Reglass => He will shrink proportionally more than gloss
[Table 1.2]
CARRY C SAS html
Concept @ so5.html
Energy to stand up
The Law Com.
Energy to stand up: mg by fine com. they fine com. say by a 0.5 m mg by a (80kg) (9.8 m/sa) (0.5 m) = 392 J
many ~ (80kg 19.8 m/sa (0.5 m) = 392)
116
Energy in land for and has since a comy is in or a
breigh it im statement out (site a print dollar
Energy in 100 of a candy bar (since a penny is too of a) 2 Calories = 2000 calories = 2000 calories 4.1867 = 83727
colosie
1 cal = 4.186J
1 cal = 4.186J 1 kcal = 1 Calorie = 4186 J
τρια
I relocies raises lg of 140 by 1°C
Heat [J] mass [kg] specific [J] bt Temp [k]
Heat [J] mass [kg] specific [kg] Temp [k]
dQ=mcdT dQ is not the heat contained in a body, but the heat
do is not the heat contained in a body, but the heat
required to mise T
.3 /k•k
specific heat examples whiter 4190
air 716-1000
icon 470
ie 2100
Phase changes require heat as well
Q = ± mLf = heat for changing solid > liquid

@=1m L, = heat for changing liquid => 905 slide sos. html Q water = Q steam water Q water = Mwater Swater Water a steam = Mstam Cunter AT water + Msteam Lysteam
Nater Cwarter = 4190 T/kg.k STructor = 70.0-280 and mwater = 100kg DT'water = (0.0-35.0 = 65.0°C Msteam = Counter DTubber = (0.0696 Mwater Cwater DT water + Lustan