lab one

WHY

why does the temprature of the liquid in some cup systems change more than in others?

CLAIM:

claim: the fancy cup keeps drinks cooler than the regular cup

qualitative	quantitative	variables
-condensation	- temprature of water	ind: cup
-coldness of cup	-amount of water	dep: temprature of water
-warmth of cup	-room temprature	
-looks clear/cloudy	-amount of ice?	control variables:
-enviroment is dry/ wet		- amount of water
		-room temprature
		-temprature measurement
		- amount of ice?

evidence

we can test this claim by pouring cold water into both cups and taking temps. of both cup after certian amounts of times.

cold cup

room temp: 21°C

	int. temp	1 min	10 min	20 min	30 min	temp change
regular	2°C	3°C	5°C	7°C	9°C	+7°C
fancy	2°C	2°C	3°C	4.5°C	6°C	+4°C

NOTES:

- regular cup
  - condensation
  - colder feel
- fancy
  - the cup was foggy

CONCLUSIONS

? the fancy cup keeps water more cold than the regular cup

? one cup was bendy & thin, the other was sturdy (reg / fancy)