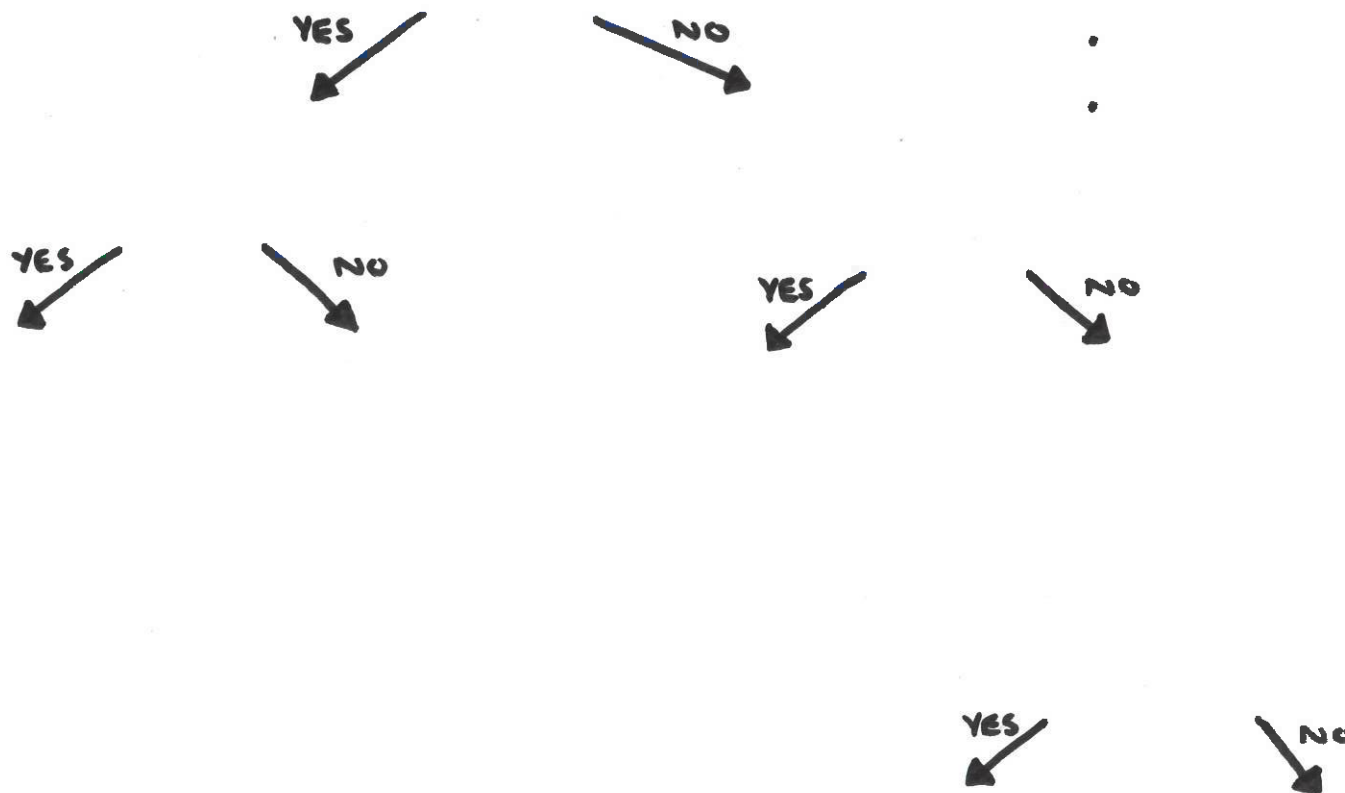




Organic I.D. - Test Tube Reactions

1 2 3 4 5



- In exam questions, write out in full sentences, giving all observations
- Confirm EVERY compound (except alkanes)

T	T
T	T



Organic I.D. - Test Tube Reactions

2 1 2 3 4 5

•
•
•
•
•

YES
↓

NO
↓

YES
↓

NO
↓

YES
↓

NO
↓

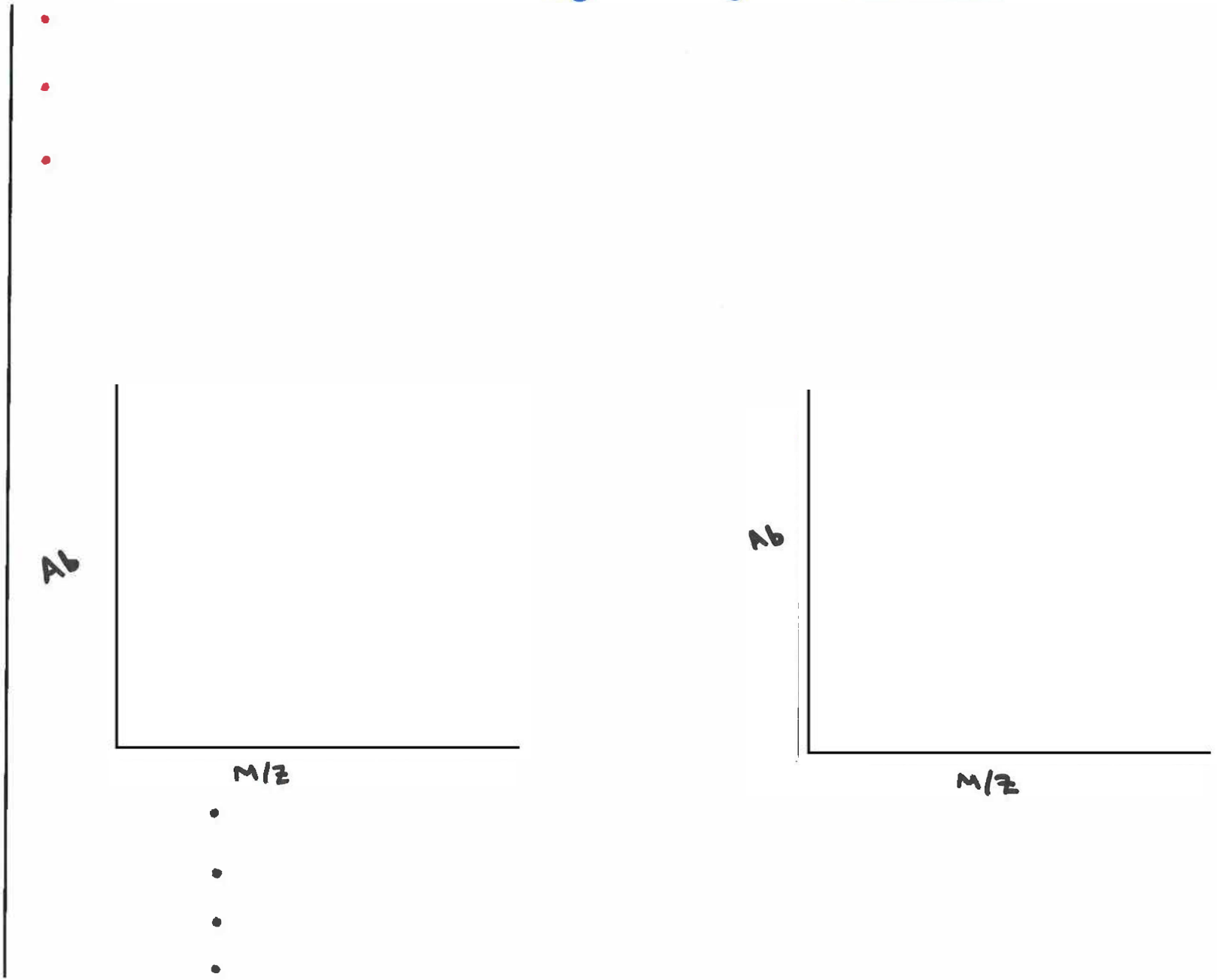
YES
↓

NO
↓



Mass Spectroscopy - Fragmentation

1 2 3 4 5

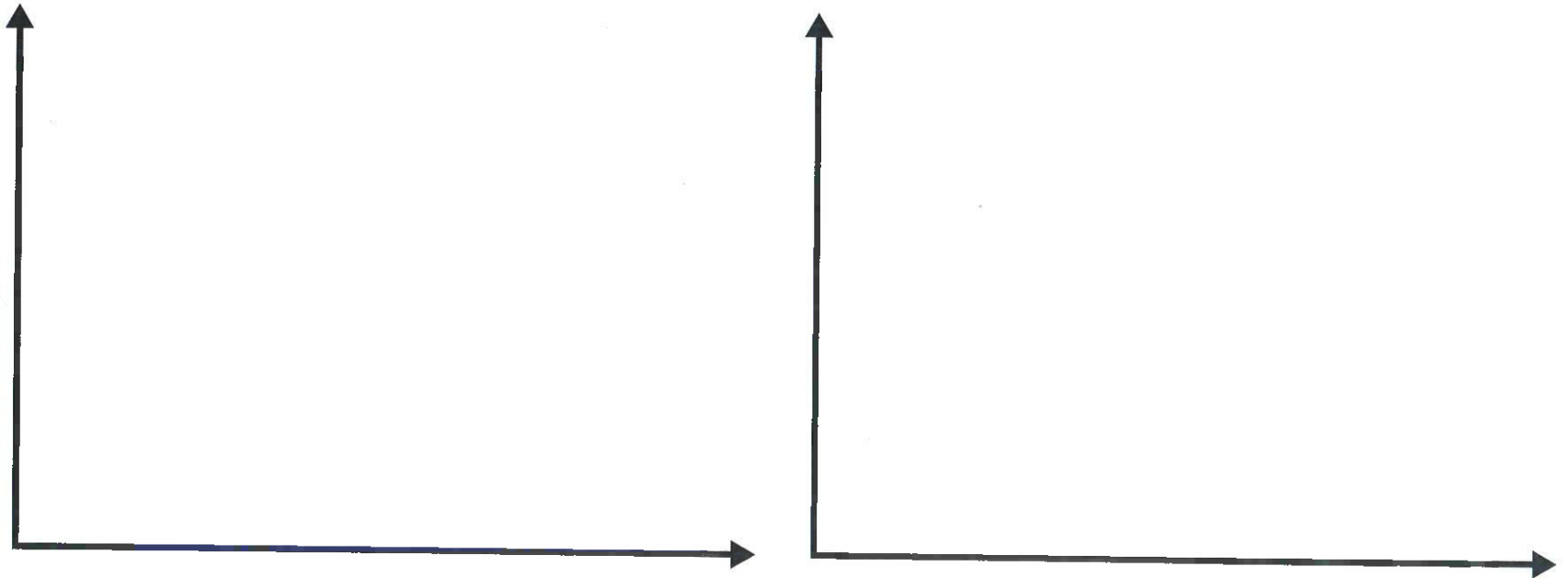




Mass Spectroscopy - Halo - Isotopes

- 1
- 2
- 3
- 4
- 5

e.g.





Infrared (I.R.) Spectroscopy

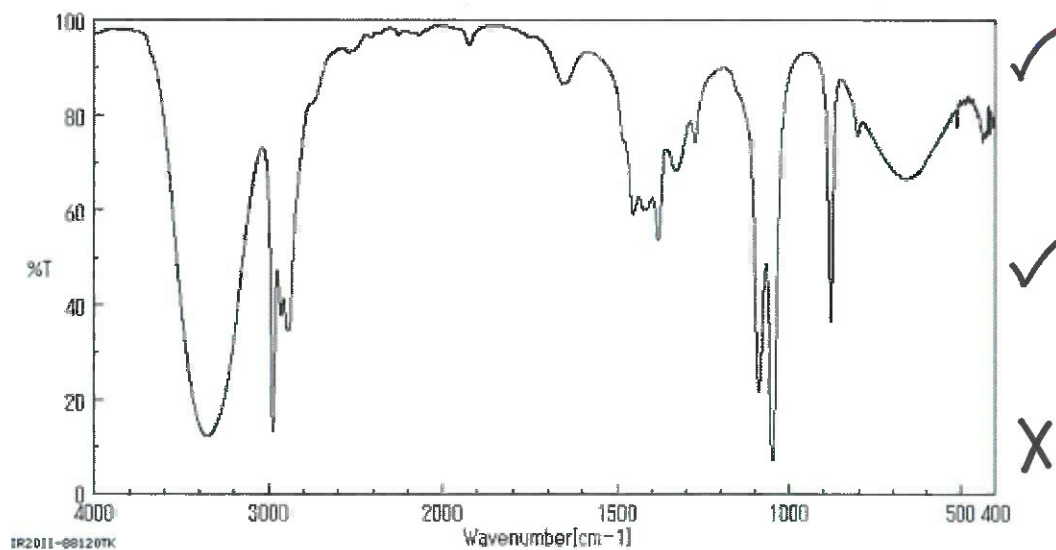
1 2 3 4 5

e.g.

- .
- .

- .
- .
- .

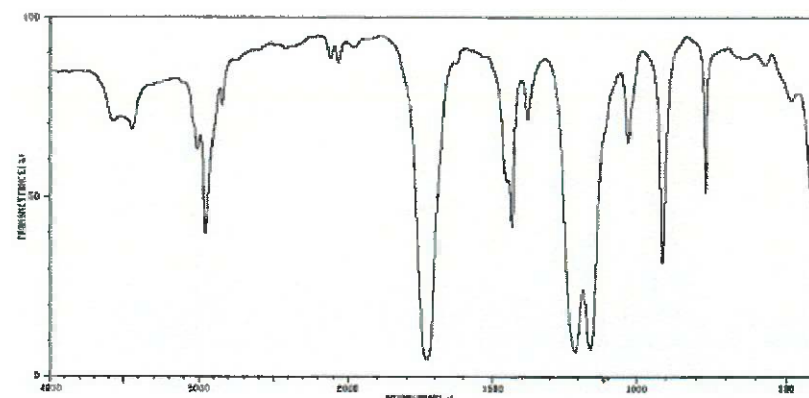
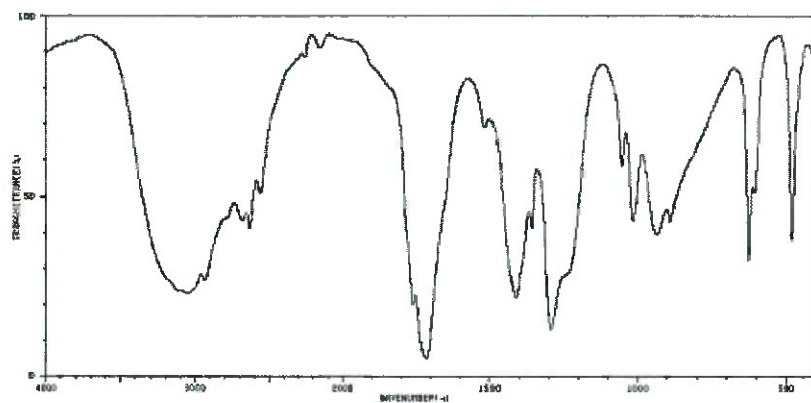
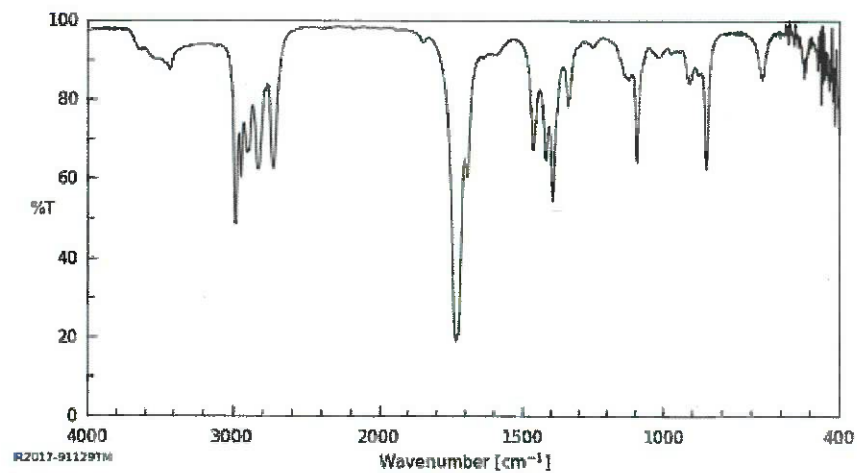
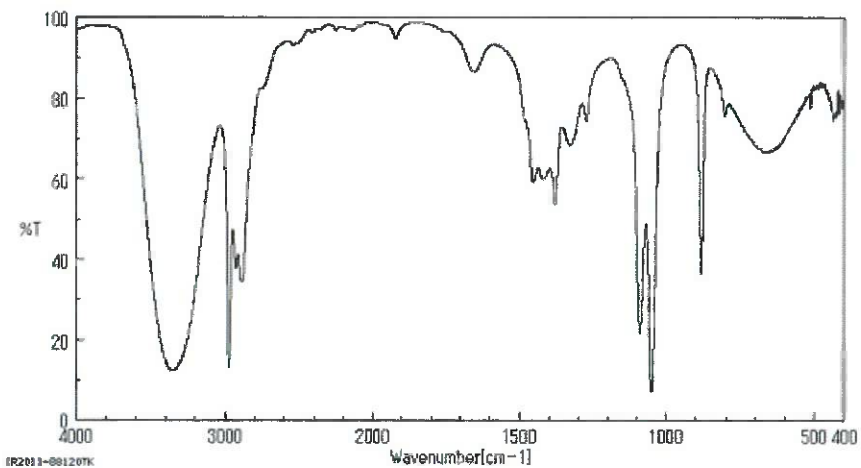
★ USE DATASHEET TO LOOK UP AND IDENTIFY BONDS!





I.R. Spectra Examples

- 1
- 2
- 3
- 4
- 5





I.R. Absorption & Global Warming.

