Name:	Key	
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Chemistry 12 EQUILIBRIUM Lesson #2

On the given piece of graph paper answer excerises #6+7 pgs 40-41 HEBDEN. This will be collected at the end of the class for marks.

CHARACTERISTICS OF EQUILIBRIUM The system that you are investigating is at equilibrium when:

1. The RATE of CASHATTON is EQUAL to the RATE of PRODUCTION
2. When the reactants concentration is with time and the products concentration is with time. NB: the [REACTANTS] ≠ [PRODUCTS]
3. The forward and reverse <u>RPTES</u> DO NOT <u>CHANGE</u> as time passes.
4. A closed system that is not in <u>EQUIL BRIVE</u> will tend to move toward a position of <u>EQUIL BRIVE</u> .
5. The FORWARD RATE EQUAL the REVERSE RATE
for example: H ₂ + Br ₂ <> 2HBr
The rate at which the top react = the rate at which the top are produced. The rate at which there is produced = the rate at which they reacts!
6. When the above example is in equilibrium: mole of H ₂ and mole of Br ₂ react for every moles of HBr that is produced. While moles of HBr reacts for every mole of H ₂ and mole of Br ₂ that is produced.

SEAT WORK/HOMEWORK: Exercises 8-13 pgs 42-43 PLO's:D3 and D6