

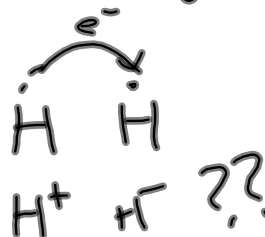
Covalent Bonding

Consider - H_2 (gas)



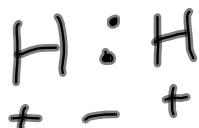
How do we explain bonding ~~ionic~~

Ion chart - H^+ ?



What if the atoms shared electrons?
Stability in atoms - increase

- same number of electrons as a noble gas.



opposite charges attract

Named - Covalent bonding

together outer e^-

Two non-metal atoms

Average Atomic Mass

↑
decimal numbers
for "mass"

Recall - Isotopes mixture in nature

e.g. C - 12.01 a.m.u.

↑
atomic mass
unit

e.g. NaCl

Na - 22.99 u

Cl - 35.45 u

58.44 u

e.g. Na_2CO_3

Na - $2 \times 22.99 =$

C - $1 \times 12.01 =$

O - $3 \times 16.00 =$

45.98

12.01

48.00
