[](http://cs.dogpile.com/ClickHandler.ashx?ru=http://3.bp.blogspot.com/_IoU3bEFUwWc/Sw00giPhaiI/AAAAAAAAGYg/IhuezgKxIDQ/s1600/Atom+Smashing.jpg&ld=20111019&ap=14&app=1&c=info.dogpl.t3.2&s=dogpile&coi=372380&cop=main-title&euip=65.182.127.23&npp=14&p=0&pp=0&pvaid=d16ea3a6d7fe4a75bc35609b9285be06&sid=1830193568.823551604891.1318987154&vid=1830193568.823551604891.1318973087.3&fcoi=417&fcop=topnav&fpid=2&ep=14&hash=27E8190FE36C8DF4DCF1DEB668748433)ATOMIC STRUCTURE WORKSHEET

**Carbon-13**

**http://nobel.scas.bcit.ca/chem0010/unit3/images/carbon13.gif**

**Mass # = 13**

**Atomic # = 6**

**Atom Smasher**

Use your periodic table to complete the table below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Element** | **Symbol** | **Atomic #** | **Mass #** | **# Protons** | **# Electrons** | **# Neutrons** |
| Sodium-23 | 23Na | 11 |  |  | 11 | 12 |
|  | 40K |  | 40 |  |  |  |
| Strontium-90 |  |  | 90 | 38 |  | 52 |
|  | F | 9 | 19 |  |  | 10 |
| Calcium-41 |  | 20 | 41 |  | 20 |  |
| Sn-122 |  | 50 |  |  |  | 72 |
| Iodine-131 | 131I | 53 |  |  |  |  |
|  | 26Mg |  |  |  |  |  |
| Silver- |  |  | 109 | 47 |  |  |
|  | 2H | 1 | 2 |  | 1 | 1 |
| Sulfur-36 | 36S |  |  |  |  |  |
|  |  | 26 | 58 |  | 26 | 32 |
|  | 27Al |  |  |  |  |  |
| Helium-4 |  |  | 4 |  | 2 |  |
| Chromium-53 | 53Cr |  |  |  |  |  |