

Announcements

To join clicker to class today
(Clickers with LCD display
join automatically):

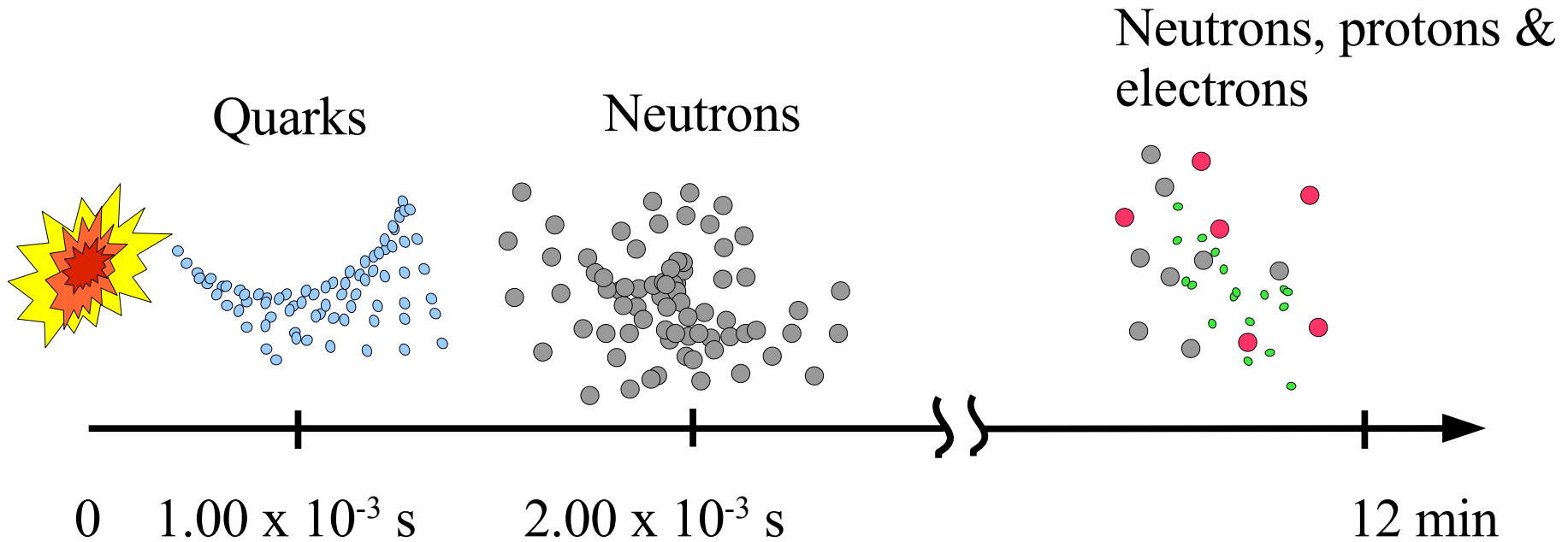
- Turn on the Clicker (the red LED comes on).
- Push “Join” button followed by “20” followed by the “Send” button (switches to flashing green LED if successful).
- Answers for first worksheets and homework are on the class web site.

- We will be starting section 2-
*Formation of Elements and
Radiochemistry* in lecture
Monday.
- Suggested Reading/problems
will be posted and sent out this
afternoon/evening.

Review

- Pure vs. mixtures.
- Chemical vs physical properties.
- Elements, atoms, compounds.
- Scientific process (hypothesis, theory, testability, constant change).
- light is a wave $v=c/\lambda$.
- reminder of metric prefixes.
- Universe is expanding, know because of Doppler effect.

Big Bang Chronology



More detailed discussion of early evolution of Universe Available at:
<http://archive.ncsa.uiuc.edu/Cyberia/Cosmos/CosmicMysteryTour.html>

Evolution of Universe

Isotopes of H

Chang Marginal Figure Page 35

Temperature Scales

Chang Fig. 1.8

- $^{\circ}\text{C} = (^{\circ}\text{F} - 32) * 5/9$

- $\text{K} = ^{\circ}\text{C} + 273.15$