

NAME_____

Earth Science

What is a Redshift?

- 1) What is the Doppler Effect?
- 2) How does the Doppler Effect apply to star motion?
- 3) How is the light-shift received from a star moving away from earth different from one moving towards it?
- 4) What kind of shift (red or blue?) is seen from most galaxies as viewed from Earth?

What does this mean about our universe?

- 5) How can scientists use these Doppler shifts to estimate the distance to galaxies?