

Questions

1.

There will be 3 close encounters before the full merger begins to take place.

2.

As the galaxies get closer to one another, the velocities increase of course due to the gravitational pull and will then begin to orbit faster and faster until the merger happens.

3.

In just over 6 Gyr the Milky Way and Andromeda will merge. M33 also gets really close and begins to get closer and closer to merger as well, picking up speed.