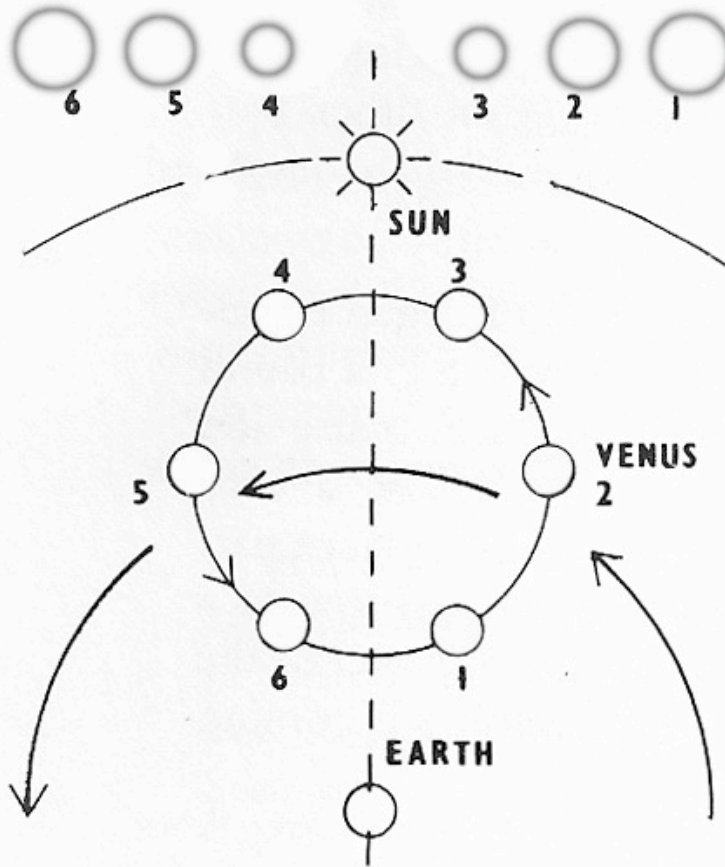
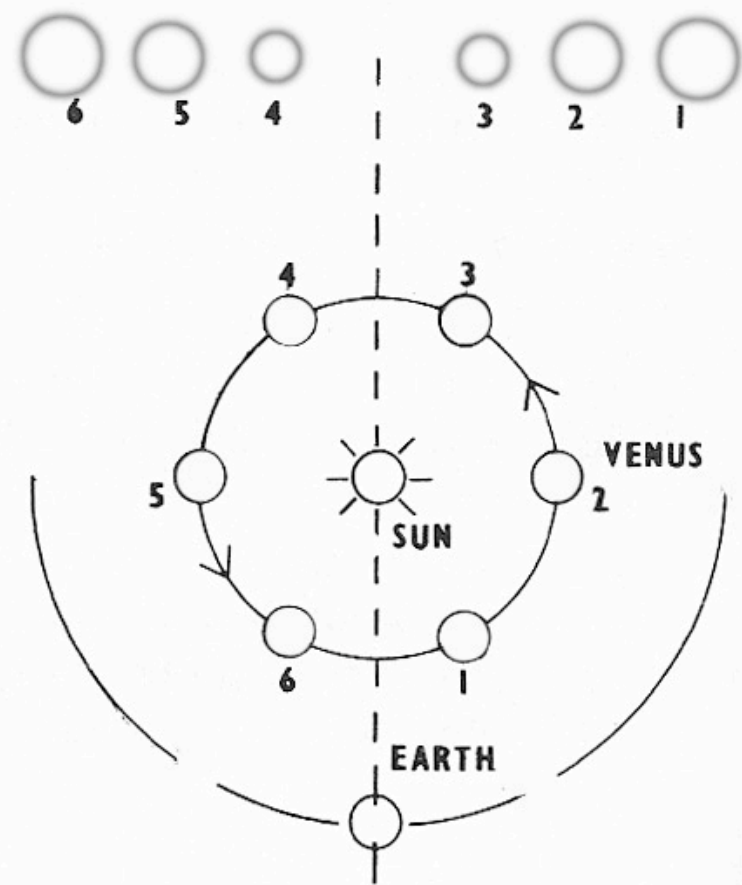


Venus as seen from earth



Venus as seen from above the solar system



Venus on an epicycle

On its epicycle (view from above), shade the side of Venus away from the sun. Use your shadings to sketch the phases of Venus at positions 1-6 (top row of circles) as seen from Earth.

Venus in orbit

On the orbit (view from above), shade the side of Venus away from the sun. Use your shadings to sketch the phases of Venus as seen from Earth.

Where do you notice the biggest difference between the phases predicted by the two models?

Do you think the predicted difference ought to be fairly easy to distinguish or not?