

# Exoplanets

## TASK SHEET

1. Draw circles for the orbits of your planets (remember to look at the scale on your model).
2. Using a different colour, draw circles for the orbits of the Earth (1AU), Jupiter (5AU) and Neptune (30AU), if they fit on your model, and label them.
3. Calculate where the habitable zone is and mark it on your model in a different colour.
4. Using plasticine, make your parent star. Think about its colour and size. Put it on your model.
5. Make your planets out of plasticine. Decide what they should look like by looking at their mass and type. Think about what the planets in our solar system look like.
6. Are any of your planets in or close to the habitable zone? Could there be any life in your system? If so, what might it be like - think about temperature, gravity, moons...