

Your System / role _____
Your Name _____

What are the components of your system on Earth?	On Earth, how does the system function and maintain homeostasis?	On Earth, how is this system affected by the other systems?	Good Sources

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How will you recreate your system on your created planet?	Where will you get the materials to create the new version?	What evidence do you have that your idea is possible?	Good Sources

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Answer the questions below that are related to your planetary system:

Astronomy:

1. How close will you put your planet to the sun?
2. What range must it be within to meet the criteria from the website?
3. How will it rotate and wobble and how will you make it do that?

Atmosphere:

1. What gases will you use to create an atmosphere? Why would you choose them? Justify each choice.
2. How will you create weather?
3. What organisms might contribute to your planet's atmosphere?
4. How will your sphere work with all of the other spheres to maintain homeostasis?

Hydrosphere:

1. What liquid would you use in your hydrosphere and why would you choose it?
2. Where will you get it from and how will you get it there?
3. How will your sphere work with all of the other spheres to maintain homeostasis?

Biosphere:

1. What types of living things from Earth would you put there first? Why?
2. What does life on earth require to survive and how will you provide those requirements?
3. How will your biosphere contribute to homeostasis on your planet?

Lithosphere:

1. What materials might you use to create layers for your planet?
2. How could you engineer tectonic plates?
3. How will your sphere work with all of the other spheres to maintain homeostasis?