

Name:

Date:

Class:

# Net-Zero Ecological Building – Blueprint Checklist

**Instructions:** Check your blueprints to make sure that all these requirements are included in your design.

The building structure includes:

- At least two doors
- One entryway
- One bathroom
- One kitchen
- One energy/maintenance room
- Other rooms as needed for purpose of the structure

Nutrient cycles

- Water cycle
  - Drawn in blue
  - Explanation for how the building has an active and positive role in this cycle is clearly described on the blueprints or in the used manual.
- Carbon cycle
  - Drawn in brown
  - Explanation for how the building has an active and positive role in this cycle is clearly described on the blueprints or in the used manual.
- Nitrogen cycle
  - Drawn in red
  - Explanation for how the building has an active and positive role in this cycle is clearly described on the blueprints or in the used manual.
- Landscaping outside the building is included

Energy source

- The energy sources for heat and electricity are represented in the blueprints.
- The explanation describes the inputs and outputs for both energy sources, either on the blueprints or in the user manual.