Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Planning Your Own Town**

**Background:**

You and your fellow citizens bought some land to build a town. Now you have to plan your town. Using the soil data and other information in this document, *plan your town so you make the best use of the land you have*. For example, you probably shouldn’t put the grocery store on the soil that’s best for growing food, and you probably shouldn’t build a school in the rockslide zone.

**Directions:**

1. Read the jobs listed below, you need to embody and remember the purpose of each role.
2. Pick a name for your town
3. There is a list of buildings you have to find a place for in your town. Be careful where you put them; don’t break the rules listed next to each building. Watch out on the map for places where you can’t put buildings (I’ll take off points if you try to build your school in a lake).
4. Answer the questions on the back of your map IN COMPLETE SENTENCES after you finish planning your town.

**Jobs**

|  |  |
| --- | --- |
| **Job Title** | **What you have to do for this job** |
| Town Zoning Official | Your job is to find a place for all of the buildings that will be convenient for everyone living in your town. You also have to help make everyone happy, so using the soil data find a balance between protecting the environment and creating an easy to live in town. |
| Farmer | Your job is to grow the food for the town and the people living there. Make sure you get the best soil available for growing food. |
| Engineer | Your job is to find the places that are easiest to put buildings in. Use the soil data to find places where it will be easy to build buildings. |
| Natural Resource Officer | Your job is to make everyone in your town follow the laws about conservation of the environment. You have to protect the natural resources like the animal habitats and forests from being turned into buildings. You should also make sure the river and lake are safe from garbage and pollution. |

Brainstorming:

1. Which job will be the easiest? Why?

2. Which job will be the hardest? Why?

**Soil Types**

|  |  |
| --- | --- |
| **Soil Number** | **Soil Name and description** |
| 1 | Silty Soil- this area has floods from the river, but the soil here is pretty good for growing food (it isn’t the best though). This soil is difficult to have buildings on, especially since flooding is a hazard. |
| 2 | Clay Soil- It is hard to use for most farming and it is hard to use for most buildings, but it is possible to do both. |
| 3 | Loamy Soil- The best soil there is for growing food, a farmer would be lucky to have this soil. Many plants already grow in this soil though, so expect a forest or a protected animal habitat to possibly prevent you from building or farming anything here. |
| 4 | Chalky Soil- usually very stony and cannot be used for farming. It is also hard to build on this soil type because it costs more to get the soil ready to build on. Farming is out of the question, but you could use this for buildings if you have no other choice. Watch out for landslide danger zones though. |

Brainstorming:

1. Which soil is the best for farming?

2. Which soil is best for building on?

**Buildings You Need to Have** – 50 points

|  |  |
| --- | --- |
| **The Building/ Structure** | **Number of Squares this land & building needs** |
| Farm to grow food for the citizens of your town | 40 squares |
| School | 8 squares |
| Hospital | 6 squares |
| Town Hall | 5 squares |
| Police Station | 2 squares |
| 15 Houses | 1 square each (15 total) |