


Register your bot!

Fill out an animal ID card for you bot. See the image on the right for an example:

Animal:	_____	3Dux Design
Scientific name	_____	
	Habitat	_____
	Height	_____
	Weight	_____
	Description	_____

Bonus... your bot is on the move! Now see if you can adapt your bot to change direction. Think about how you might adapt the design to make the bot:

- Spin left
- Spin right
- Travel in a straight path.

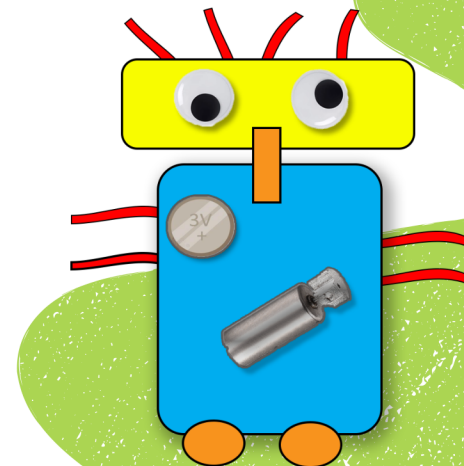
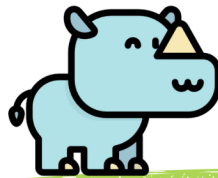
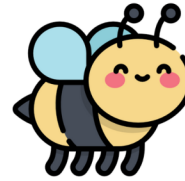
Use the space below record your observations.



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Bot Mission: Save an Endangered BOT Species!

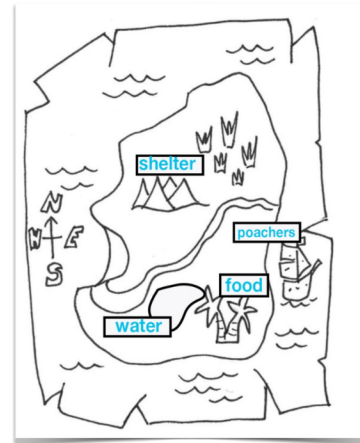
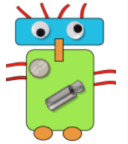
Design a nature preserve to save your bot!



Let's learn more about your bot. Choose an animal species for your bot. Research your it's **natural habitat**, diet, and shelter. Record your findings below.

Oh no! Your animal is classified as an endangered species. Why is it **endangered**? Design a preserve that can keep your bot safe. Include survival needs inside, a barrier, and hazards on the outside. Draft the design of your preserve below.

Bring your animal to life! A bot is a model that moves by transfer of **kinetic energy** from an unbalanced spinning motor. You can make a bot by creating a closed circuit with a motor and a battery and attaching it to your model. Draft out your bot design and then build it to see if it moves.



Let's build. Use your design drafts below to build your bot and it's **preserve**. This may take some trial and error. Your end goal is to make sure your bot can move throughout its preserve freely without encountering any hazards. See example on left.