How to build a Burning Planets' set

Supplies			
Supply	**Amount**	**Additional info**	**Approx price**
A4 thick paper sheets	x9	Just as thick as can go in your printer	0,50€
A4 normal paper sheets	x15	10 are to print the rulebook, 5 are the minimum amount for money. You can print more money so you don't have to change banknotes size often when you have lots of resources.	
Universal spray glue	1 can	Cans are usually about 400 ml, that is enough for many sets, so if you share with others you end up spending surely less than 1€ for the single set	5€
2mm thick PVC flooring OR 2 mm thick rubber flooring	½ m²	They usually sell a minimum of 1 m², that is enough for more than 2 sets, so sharing with a friend it's the best idea. Ideally rubber is the best for planets and building because it never slips, but for ships it's more comfortable PVC because you can slide them on the surface while moving, so PVC in the end is more comfortable, but if you play with friends and can share, using both becomes doable, and it's the best.	5€
OPTIONAL Protective colorless spray	1 can	You don't have to use this one too, but it will ensure that your set will last much longer, since printed paper isn't very wear resistant, and the images may get ruined easily. Just like the glue, if shared it's super cheap!	3€
Total without sharing resources: **10,50€** (+optional 13,50€)		Total when sharing resources: **<4€** (+optional <7€)	

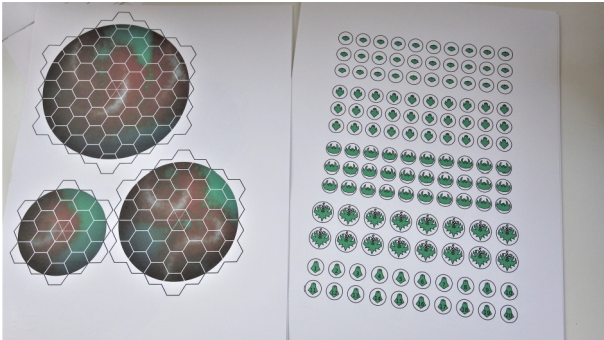## Tools:
- Color printer
- Sharp scissors
- Hobby knife

Tips:
- Don't use white glue, wood glue or similar stuff, it won't stick on plastic and it will wet the paper so much that it will warp and get ruined
- The thick paper in the glued pieces is because it will remain stiff and not make gluing a nightmare, avoiding bad warping and folds
- You can use heavy cardboard instead of PVC or rubber for the bases, it can be free if you scavenge it, but it will be much less stable (it's lighter and have low surface friction)

First step

Print the shared items, planets and army files in **FULL SIZE** (check it, printers often set automatic resizing of files on default settings) on A4 thick paper sheets.
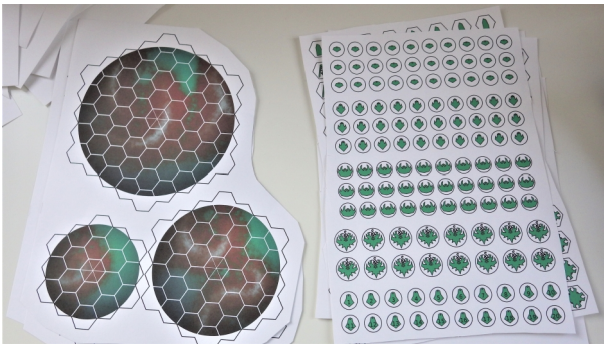I wanted to play with *green Xenos*, so as an army file I chose them in the races and colors list.

Note: your prints may look different in size, because I had 24x33cm thick sheets laying around, and my printer can take larger sheets, so I used them instead of buying A4 sheets.

Second step

Cut the wide white borders. Don't cut them completely, leave some space, you'll need to comfortably press the paper to glue it well, so you won't glue your hands doing so.

Third step

Take the PVC and cut pieces that are a bit larger than the paper, so you won't need to be perfect when gluing. To be sure that I used the right pieces after cutting, and not end up with the wrong sized ones, I just piled the PVC in the same order as the printed sheets when I cut it.
This is the PVC I found, there is a porous side intended for glue, and that's obviously the best one because we get a perfect grip for the glue.
After cutting the pieces clean them, so you'll be sure glue will work, because dirt, even when not visible, will ruin the strength of the bond. The easiest way is with alcohol and some cleaning paper, but you can use soap and water if you prefer.
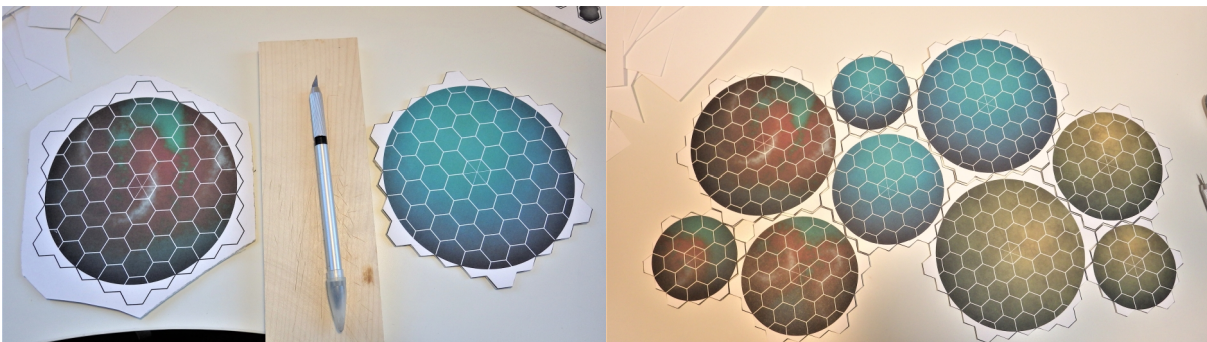
Fourth step

To not spray glue everywhere put the PVC inside a box, this will ensure that little or nothing will go out. Work in a well ventilated area, better if outside, but if you cannot be sure to have an open window nearby. Check if your glue is good for your chosen material (PVC or rubber), in my case there was written "good for vinyl" (the V in PVC stands for vinyl), so I was already sure, but if it doesn't specify take some small scraps and check it. After spraying the glue, take the plastic out of the box and press well the paper on it, be sure to push everywhere, slide your hands on it while pushing to be sure. Spray glue sets fast, but wait at least an hour to be sure that solvent is gone enough to continue working. If you want to put a protective finish, now that the glue is dry it's the good moment. Wait for the finish to dry too before starting with the next step.
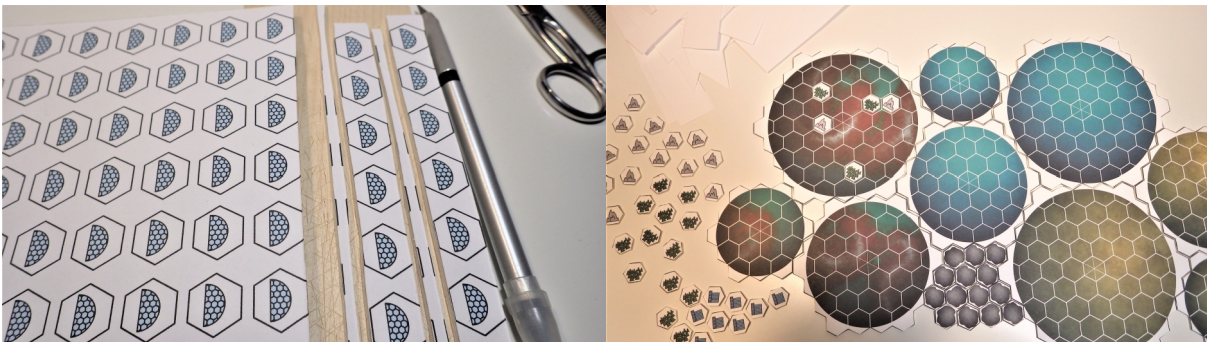

Fifth step

Divide big pieces to work more comfortably. For straight lines it's more comfortable to use a hobby knife, it's easy to go straight on such short lines, and you have no problems with corners or anything else, plus it makes very clean cuts, while scissors if not sharp enough (mine were quite dull) still cut easily this stuff, but tend to tear the paper a bit.

For hexagonal pieces it's comfortable to cut strips of them and then finish cutting each one, this way you won't have tons of scraps together that make your work difficult. To cut ships, that are round, you have to use scissors, but dividing the strips still makes everything easier.

Sixth step

Print one copy of the rulebook on standard paper. If you have a printer that can print double sided, but you're unsure of the settings to make a book (they can be trickier than they look, the printer and the viewing program often give contrasting orders, making a mess) on the website you can find print ready files too, just set double sided with flipping on the short side and you're okay! If you set pages for printing yourself, know that the rulebook is A5 size to be more portable, so on standard A4 sheets you have to set printing 2 pages each page.

Print at least 5 copies of the money file on standard paper. Five copies means that you have 10 banknotes for each size, so you can count everything, but it's probably more comfortable if you print more, so you don't have to make changes all the time, even more when you'll be far in a match that you'll get many resources each turn. I left a thin gray outline to help cutting the banknotes well.

Print as many copies as you need of the table grid to cover your playing area on standard paper, these have to be full scale too, or the rest of the set won't match in scale. Trim the white excess. To be sure they won't move, I bound them with a strip of adhesive tape on the backside, not covering the corners (I used wide packing one, since it's on the backside it cannot be seen and it has a wide sticking area, that is a good thing). If you do so, check that you put them the right way before binding, so all with the same orientation. This way, since the corners aren't stiff for the overlapped tape, you'll still be able to fold everything, and your new table grid will become an A4 when folded, easy to store and use!

Dice are very easy to find on internet, but if you have a hobby store nearby, the kind that sells games, it will surely have them too.

You're done! To make the set is this simple, now you can start playing!