Turkish: Odden p. 211-213
For the vowel harmony, first do morphological analysis and list the various forms of the suffixes, for example:
Possessive suffix: [i, ü, u, i] what do these have in common? make that their underlying form
Repeat with the other suffixes, and then figure out the rule(s).

Assume the vowel inventory is: i ü i u
                          e ö o
                          a
and the features are:

<table>
<thead>
<tr>
<th></th>
<th>i</th>
<th>i = uu</th>
<th>u</th>
<th>ü = y</th>
<th>e</th>
<th>a = a</th>
<th>ö = ø</th>
<th>o</th>
</tr>
</thead>
<tbody>
<tr>
<td>high</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>-</td>
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<tr>
<td>back</td>
<td>-</td>
<td>+</td>
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<td>+</td>
<td>-</td>
<td>+</td>
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<tr>
<td>round</td>
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<td>+</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

Some other rules to look for, affecting noun stems:
vowel lengthening or vowel shortening?
consonant doubling or consonant deletion? these two you can relate to syllable structure
intervocalic voicing or some kind of devoicing?
there are more, I think, but that should get you started!