Find the chemical formulas of the substances named below, determine what functions they perform in the body of humans, animals, and plants, and if this substance is a medicine, when, why, and for what diseases it would be used.

5-membered heterocyclic compounds containing 1 heteroatom

1. Furan derivatives
2. furfurol
3. furazalidone
4. furacilin
5. furadonin
6. Thiophene derivatives
7. Ichthyol
8. Biotin
9. Pyrrole derivatives
10. pyrrolidine
11. proline
12. Piracetam
13. phenylpiracetam
14. vitamin B12
15. Derivatives of the indole group
16. triptophan
17. serotonin
18. corticol
19. indigo

5-membered heterocyclic compounds containing 2 heteroatom

1. Pyrazole derivatives
2. Antipyrine
3. Amidopyrine
4. Analgin
5. Imidazole derivatives
6. Histidine
7. Histamine
8. Dibazol
9. Thiazole derivatives
10. Norsulfazole
11. Phthalazole
12. Cocarboxylase
13. Thiamine

6-membered heterocyclic compounds containing 1 heteroatom

1. Pyridine derivatives
2. nicotine acid
3. vitamin PP
4. Nicotinamide
5. Tubazid
6. Ftivazid
7. Promedol
8. Quinoline derivatives
9. sinchofen or
10. atophan
11. plasmacid
12. 5-NOK(8-gidroksi 5-nitroxinolin)
13. Enteroseptol
14. Isoquinoline derivatives
15. morphine
16. papaverine
17. rivanol
18. Akrikhin

6-membered heterocyclic compounds containing 2 or more than 2 heteroatoms

1. Pyrimidine derivatives
2. Barbiture acid
3. Phenobarbitol
4. Barbital sodium
5. Phenothiazine
6. Aminazine (chlorpromazine)

7-membered heterocyclic compounds containing 2 heteroatoms

1. Diazepine derivatives
2. Elenium
3. Diazepam
4. Diazepine derivatives
5. Theophylline
6. Theobromine
7. Caffeine

Some drugs are given on the ppt , not given ones you will find yourself! Any kind of reasons not to be prepared WILL NOT BE ACCEPTED!!!!!!!