

15 МИНУТ ПРО ДЕТОКС











Балласт

**Токсикант
ы**

**Нутриент
ы**

Балласт

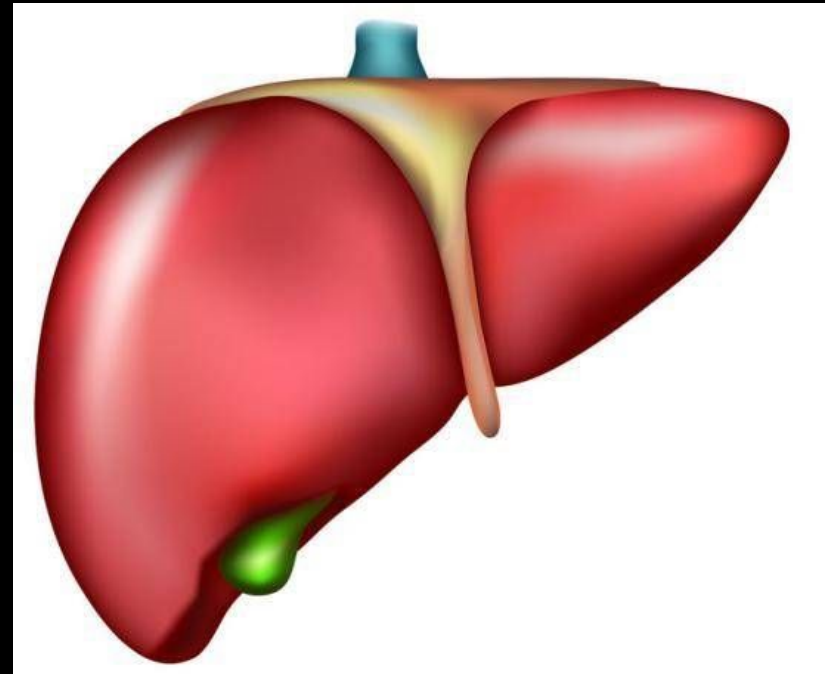
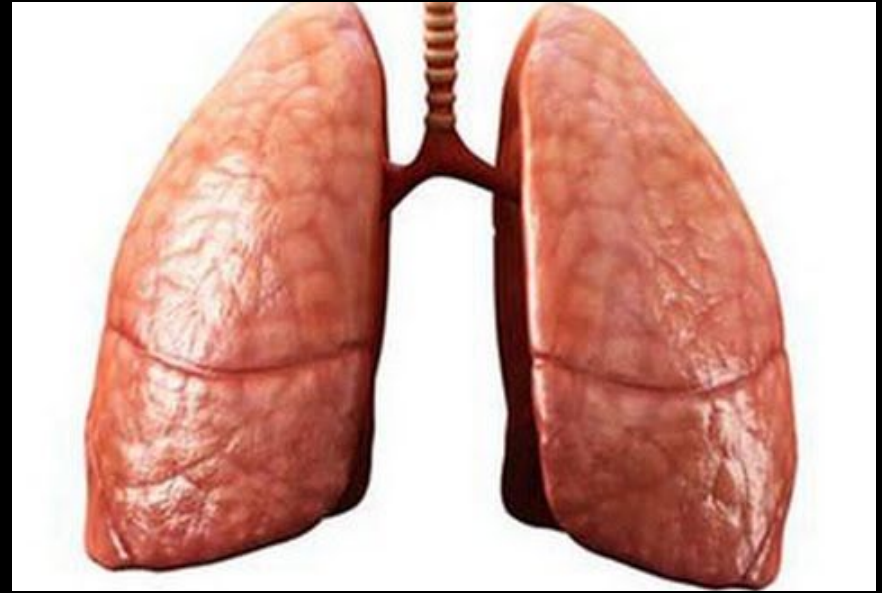
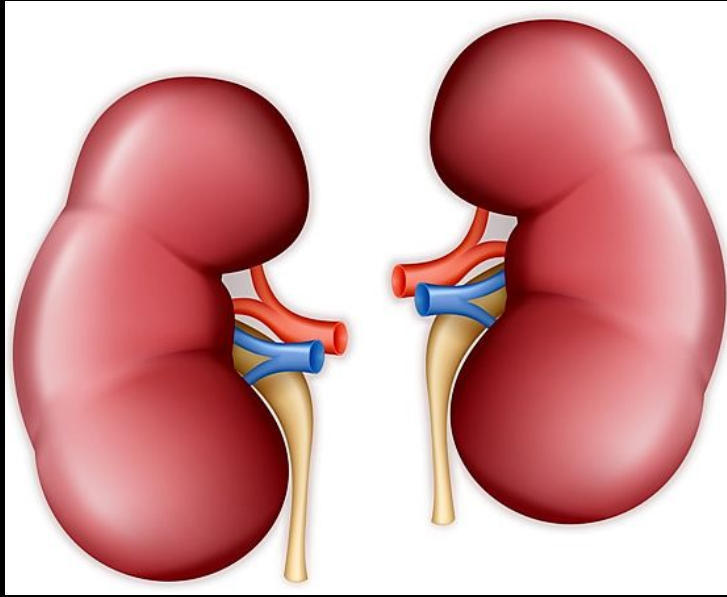


Нутриент ы



Токсиканты





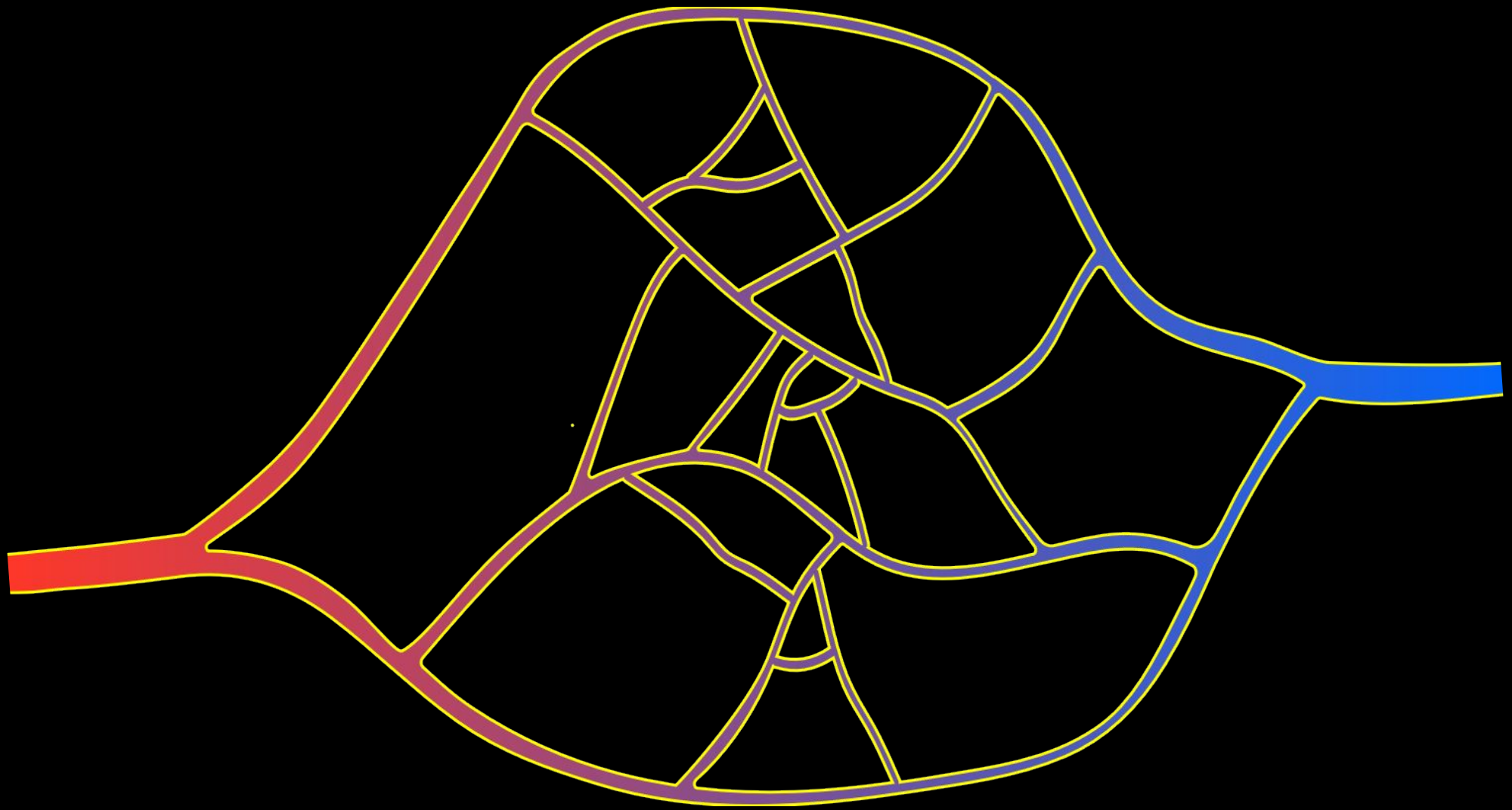
Эй, масло!
Пошли тусить!



Ребят, нам
не быть вместе

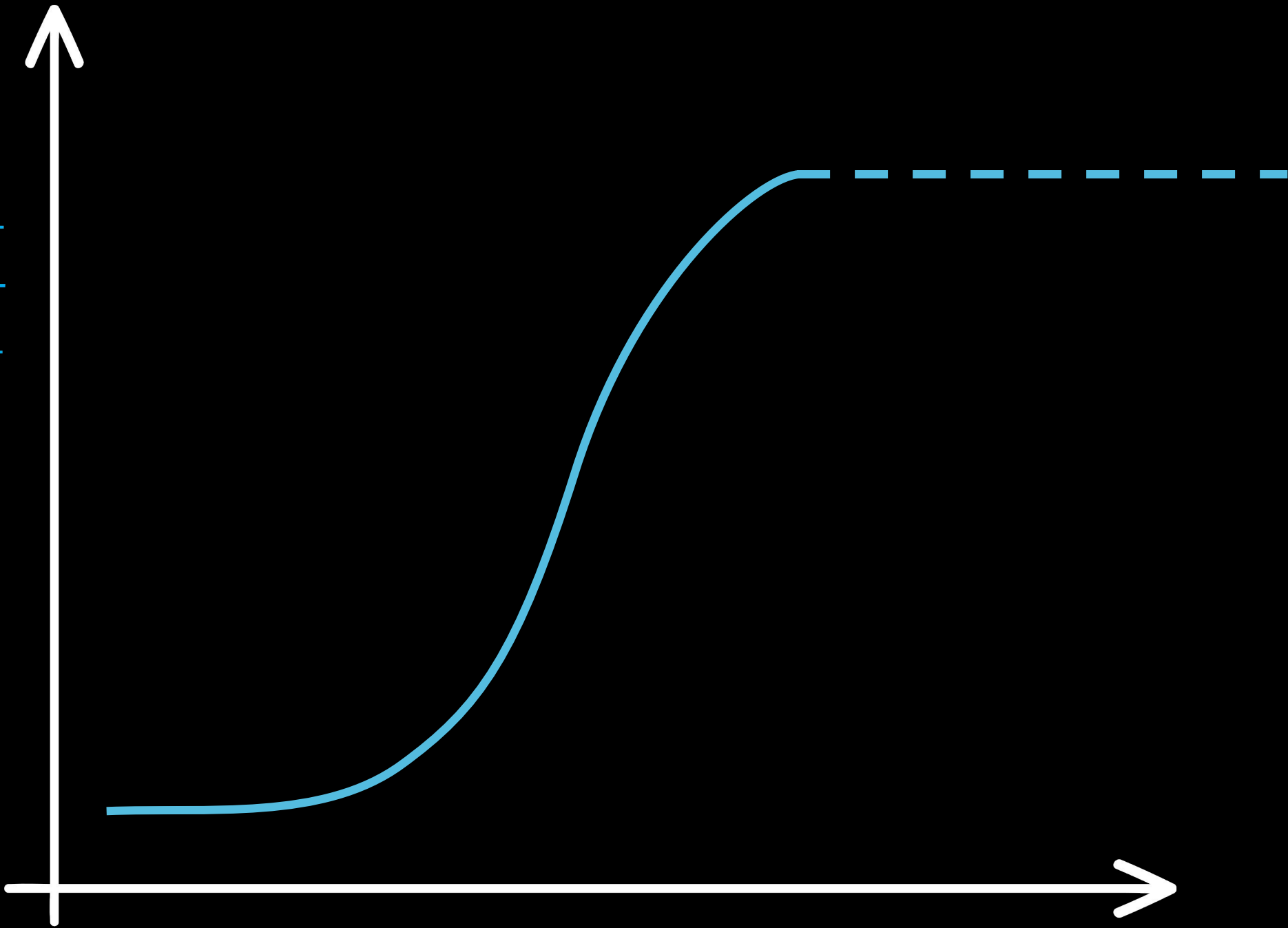
Гидрофоб!





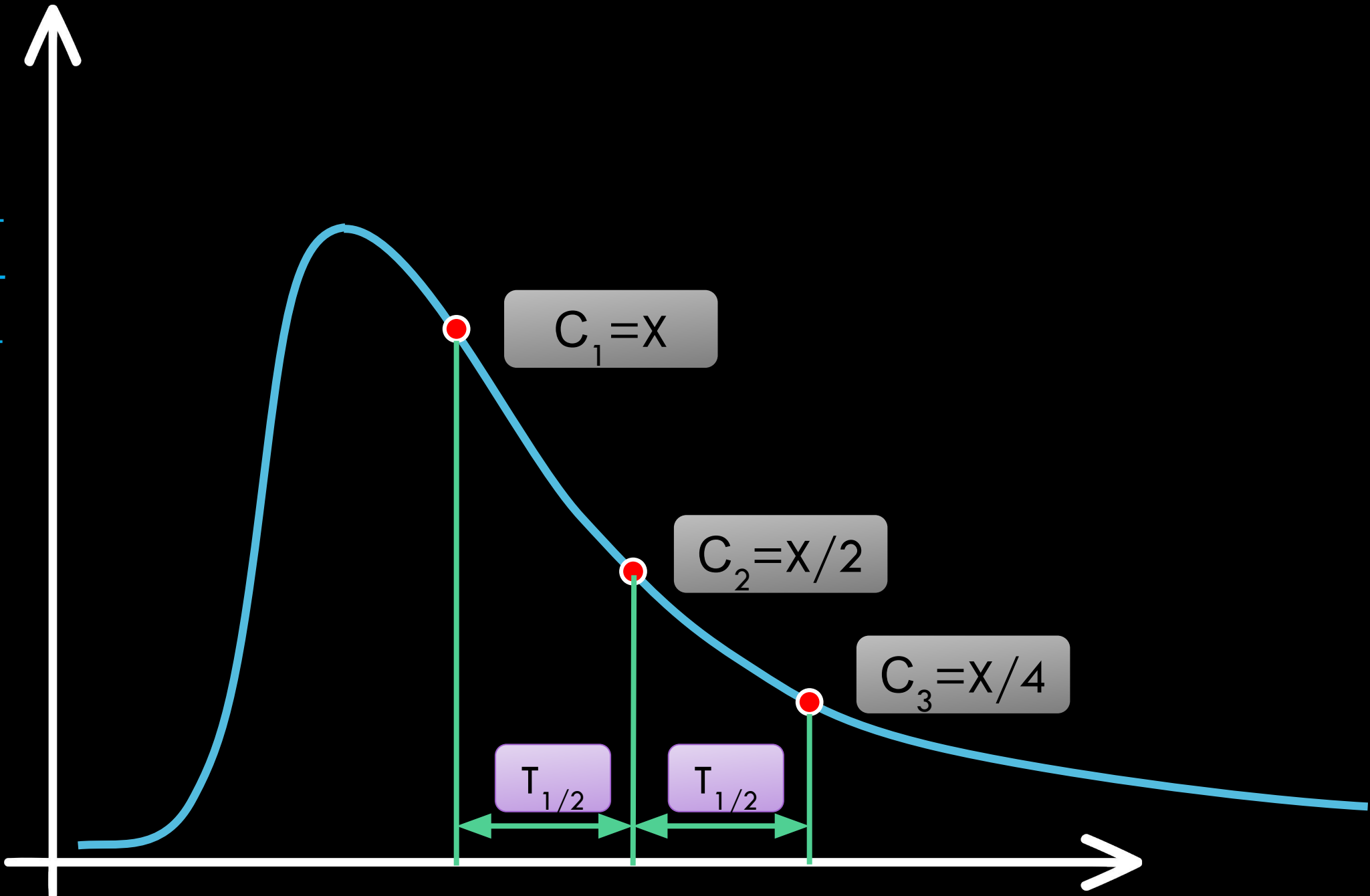


Концентрация



Время

Концентрация



$C_1 = X$

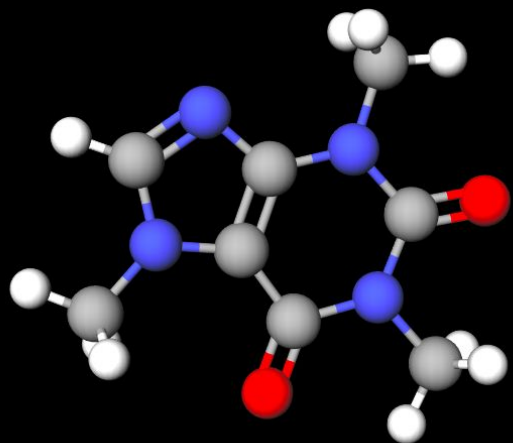
$C_2 = X/2$

$C_3 = X/4$

$T_{1/2}$

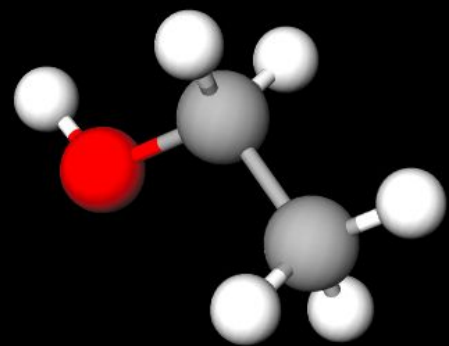
$T_{1/2}$

Время



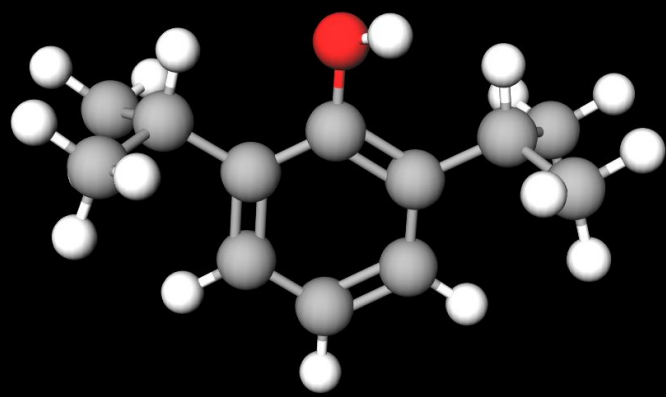
Кофеин

$T_{1/2} = 200$ минут



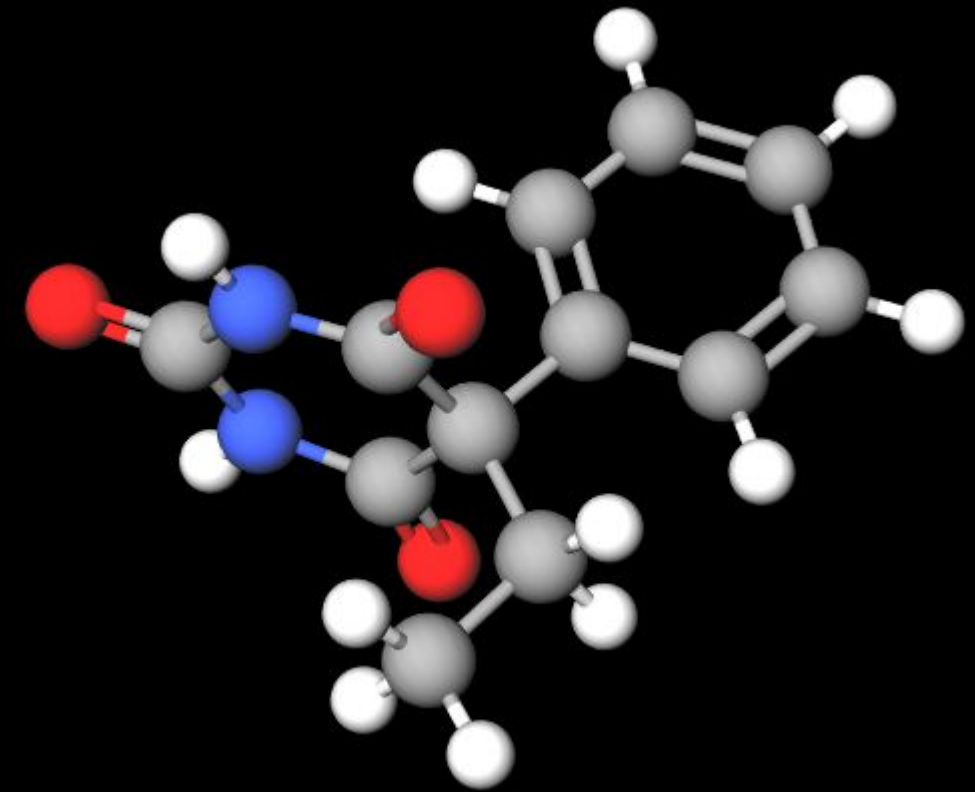
Этанол

$T_{1/2} = 25$ минут



Пропофол

$T_{1/2} = 60$ минут

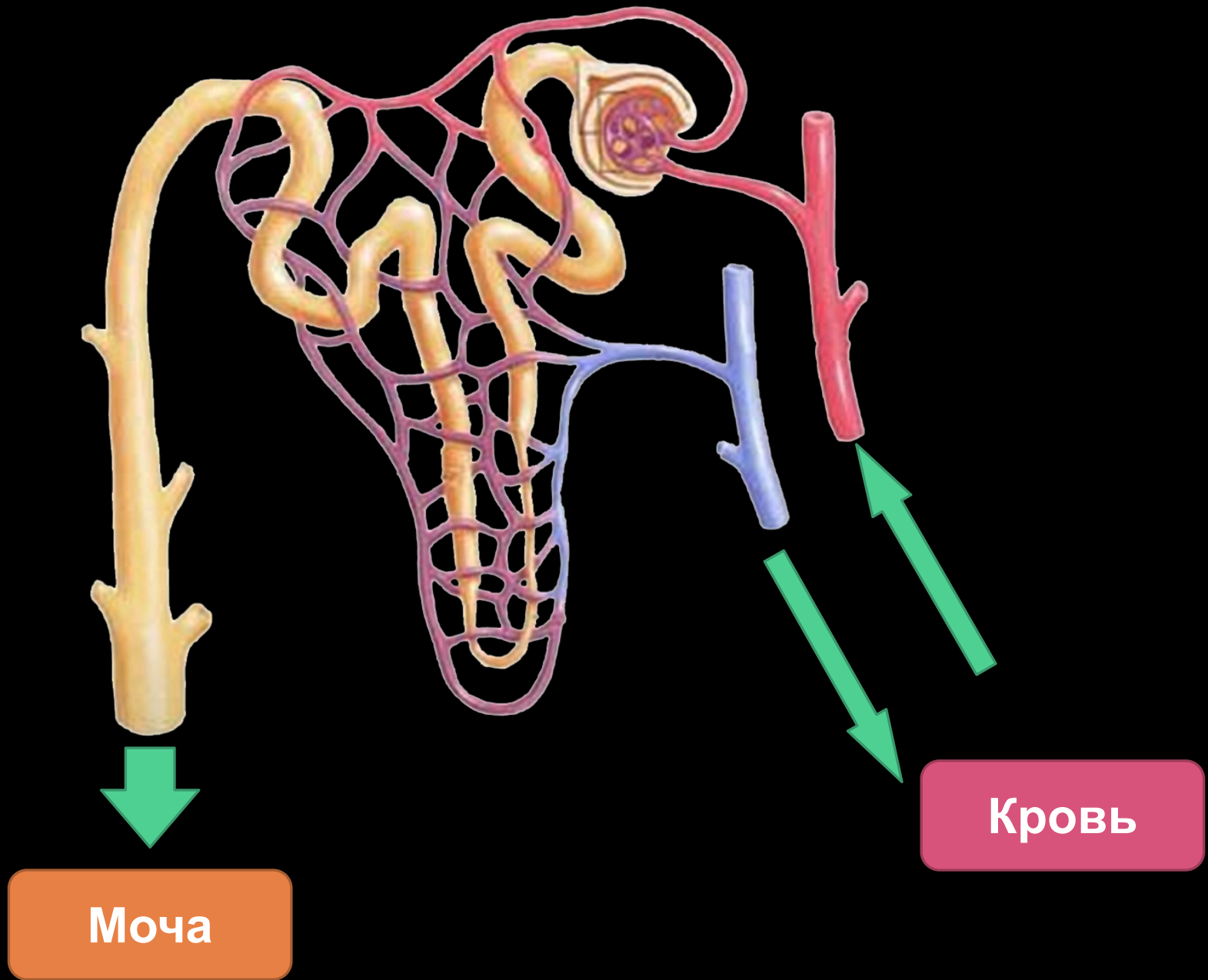


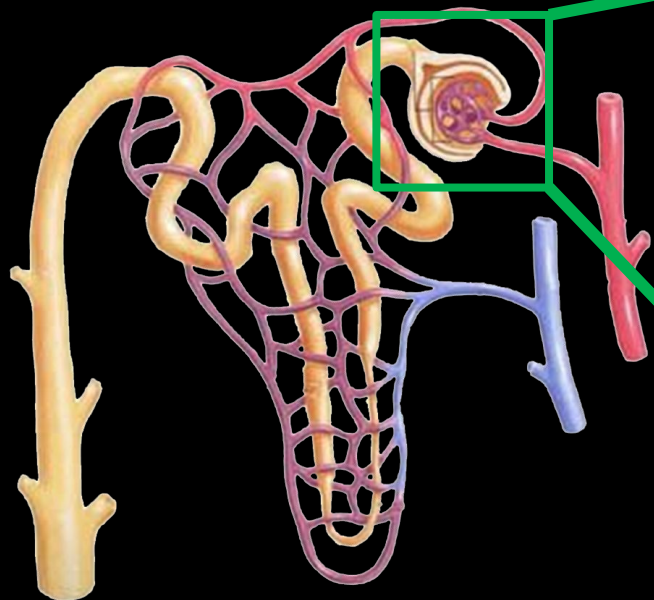
Фенобарбитал

$T_{1/2} = 4$ дня

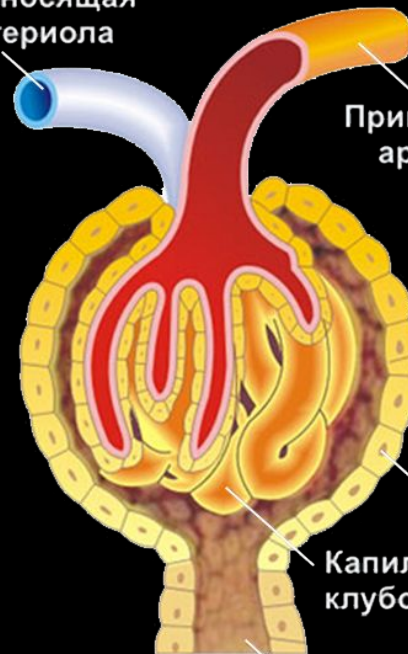
САМООЧИСТКА ОРГАНИЗМА







Выносящая
артериола



Приносящая
артериола

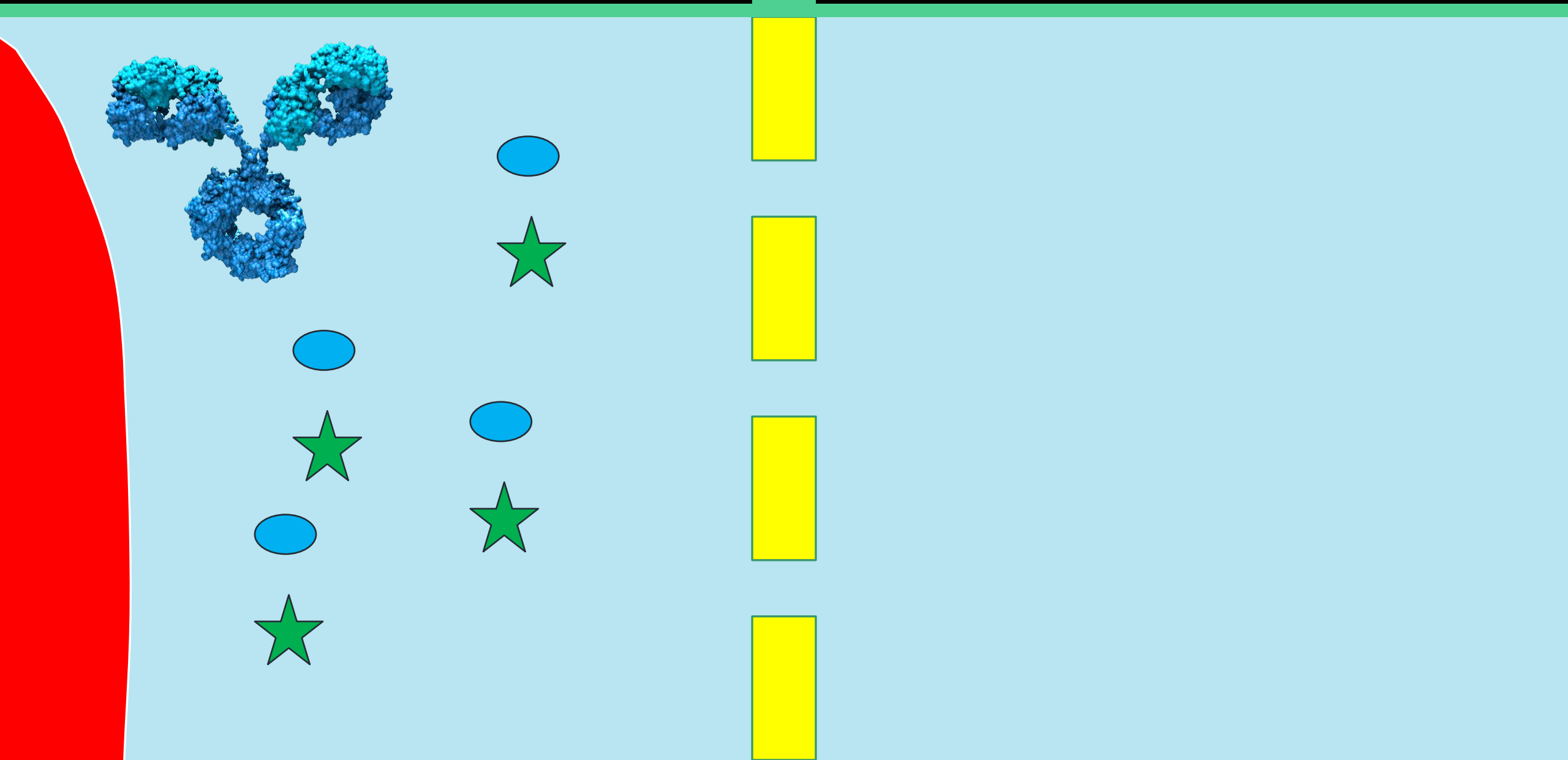
Капсула

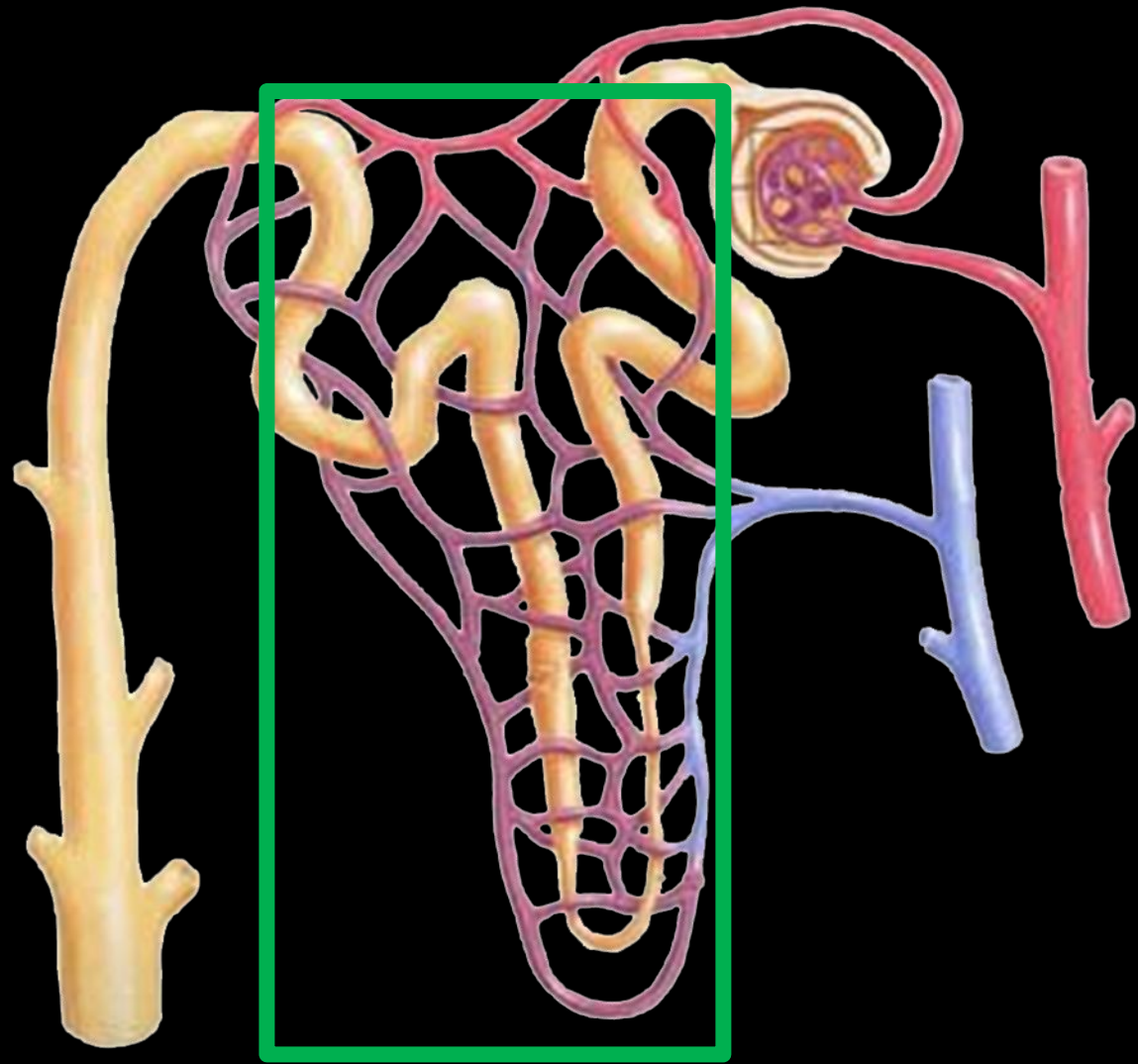
Капиллярный
клубочек

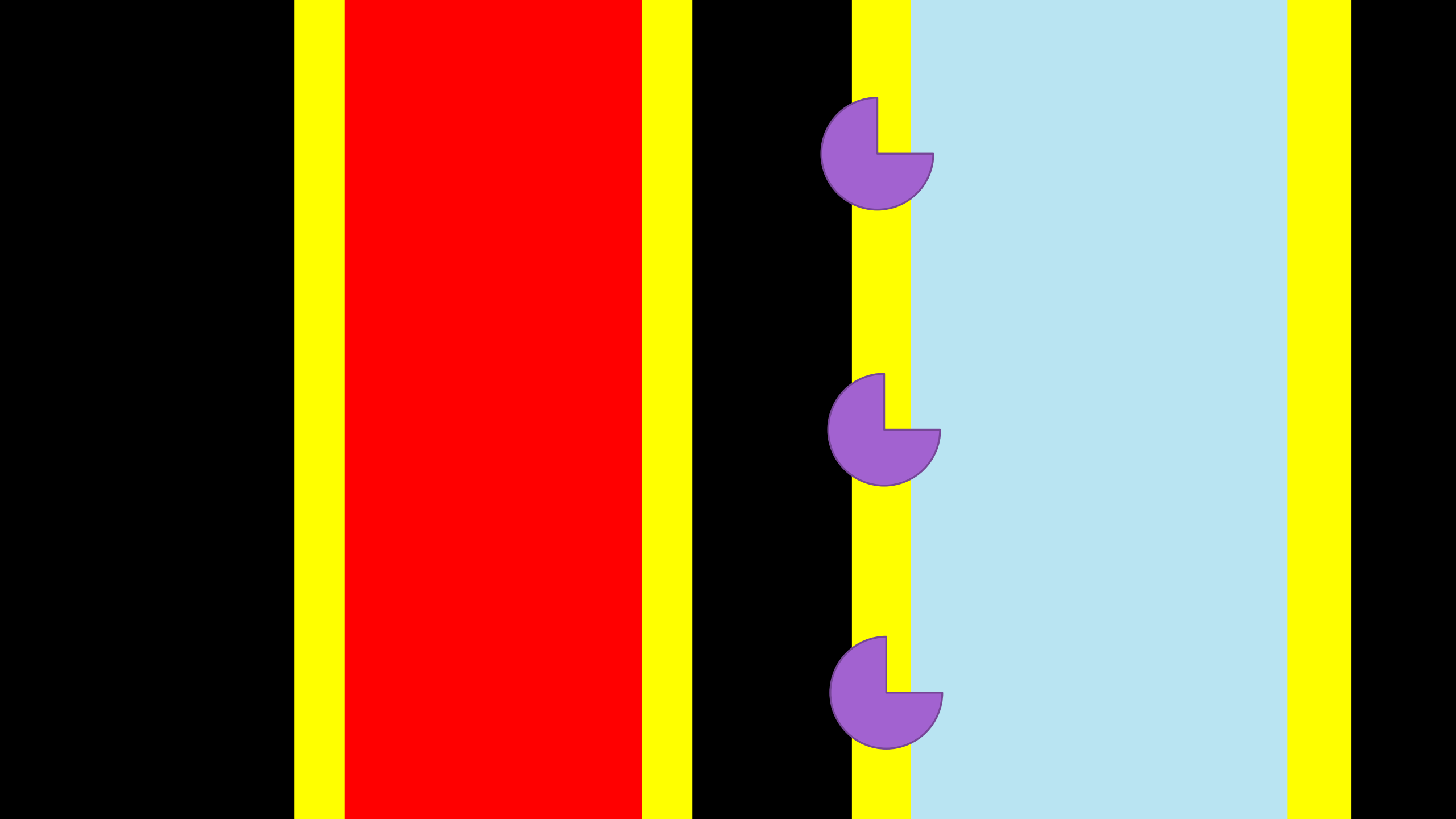
Почечный каналец

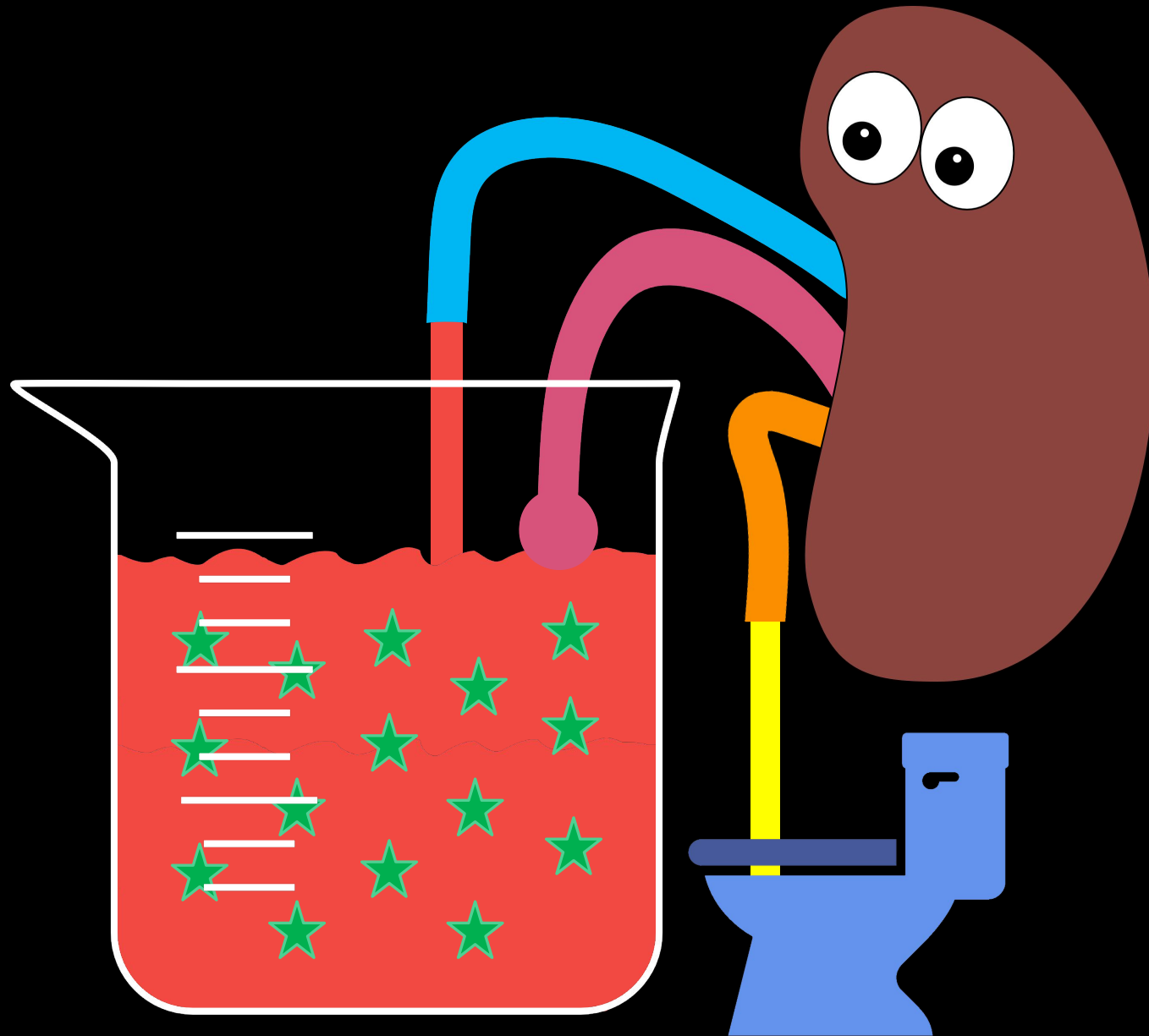
Кровь

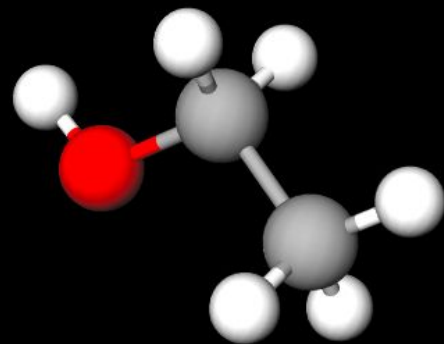
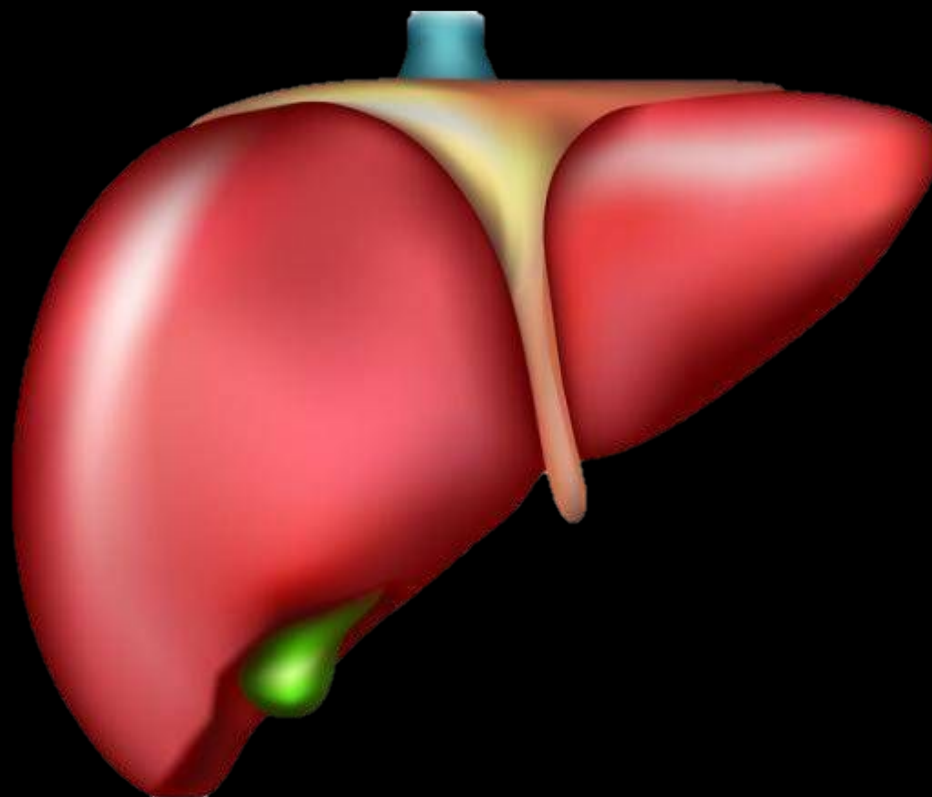
Первичная моча



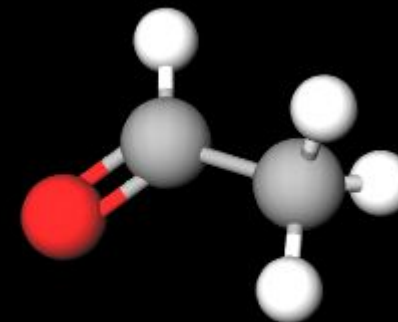




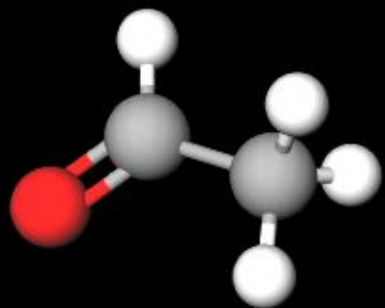
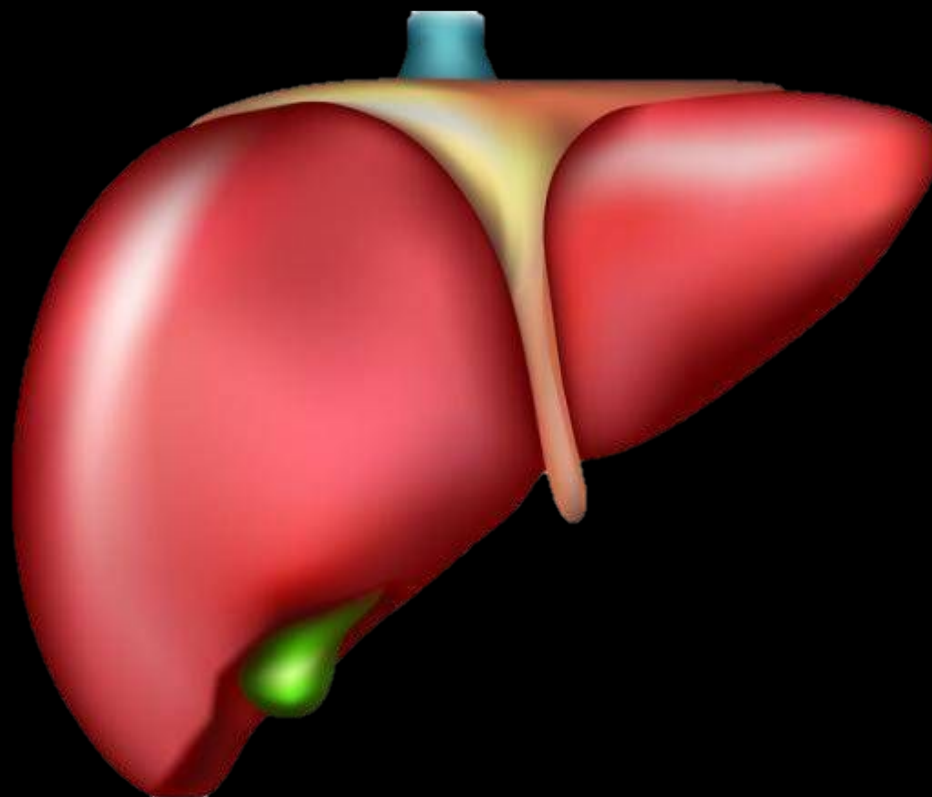




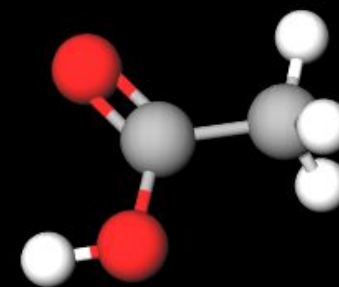
Этиловый
спирт



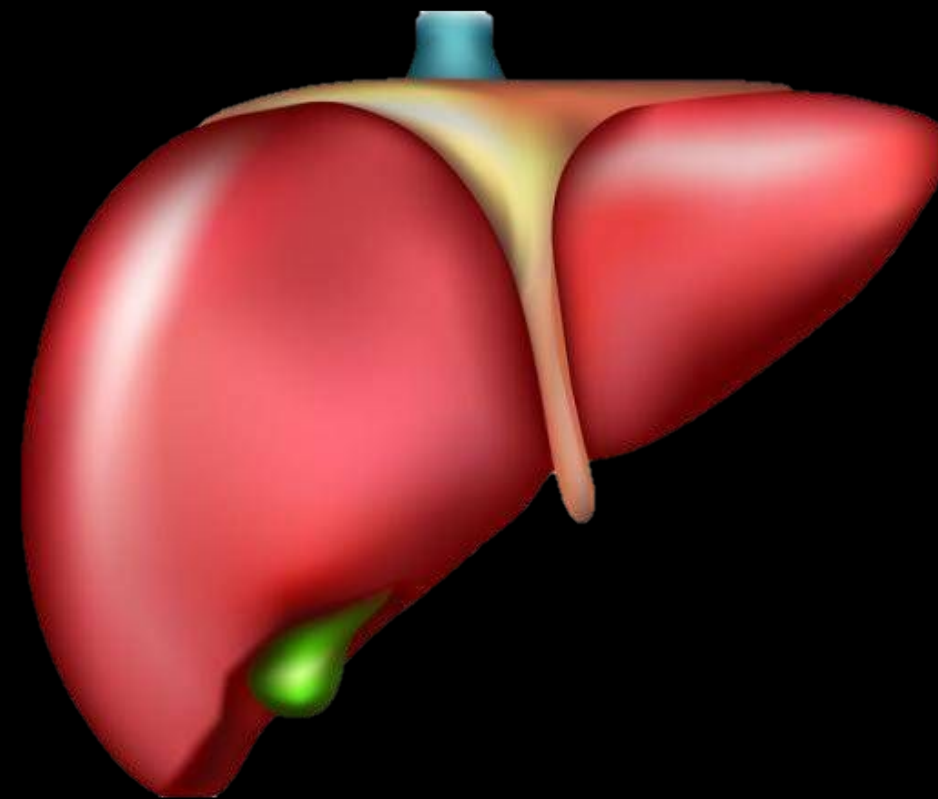
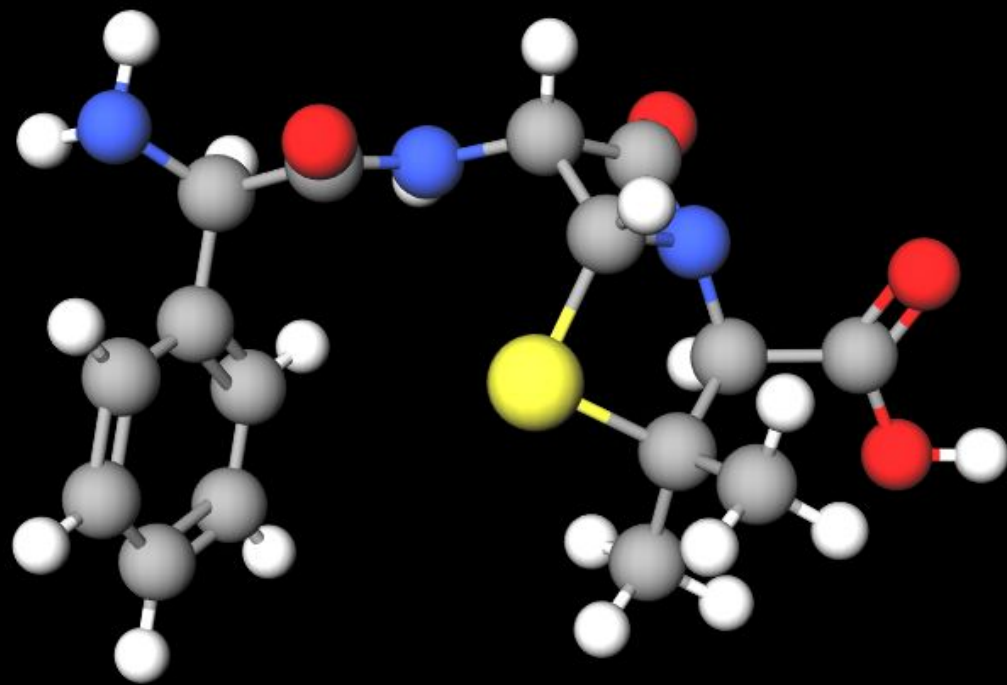
Ацетальдегид



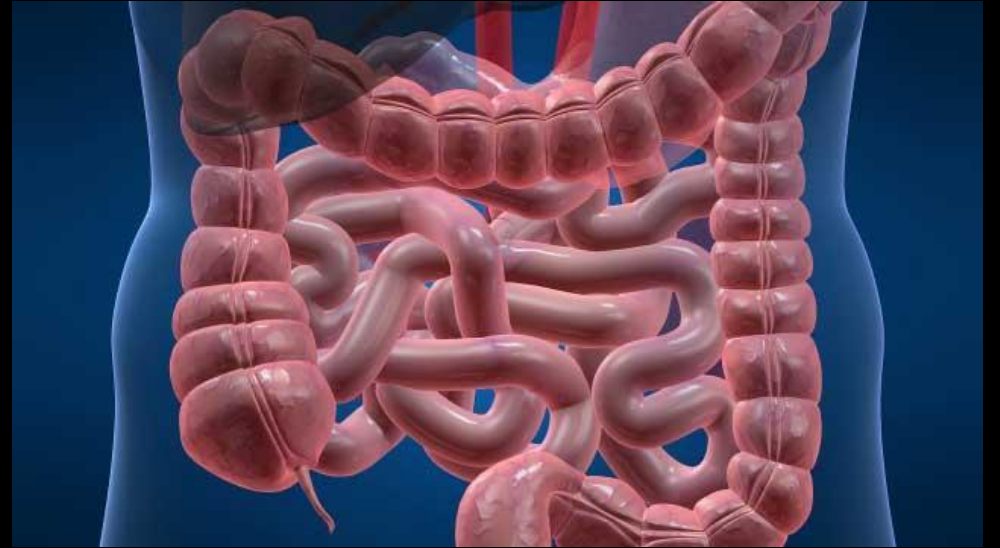
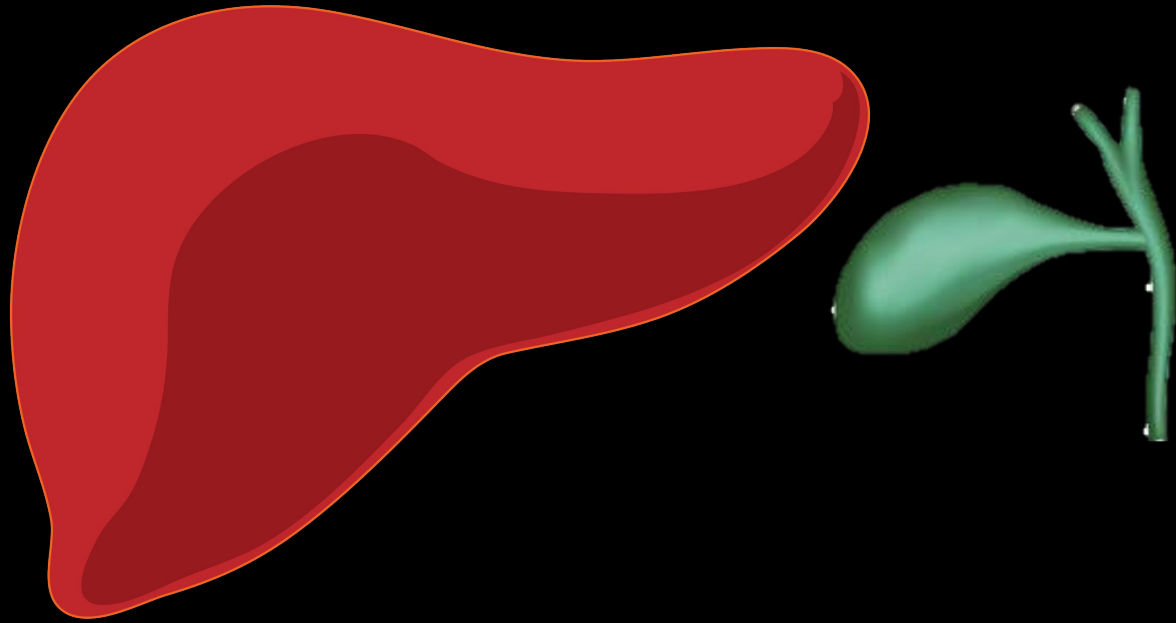
Ацетальдегид



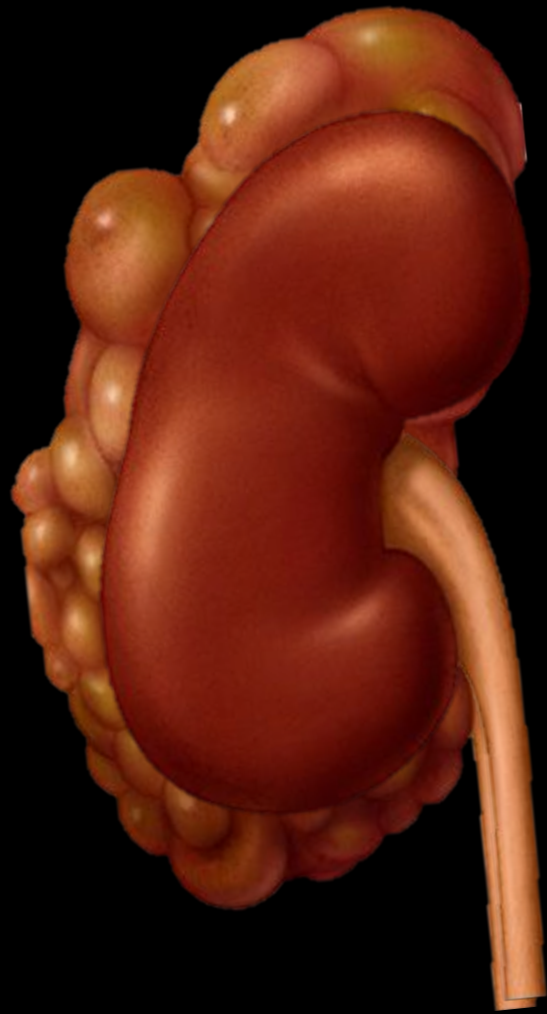
Уксусная
кислота



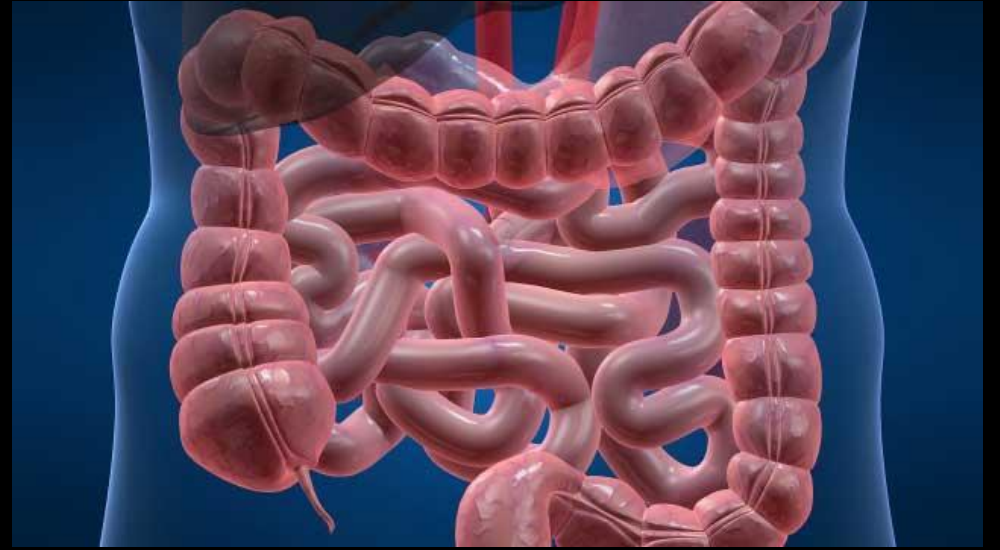
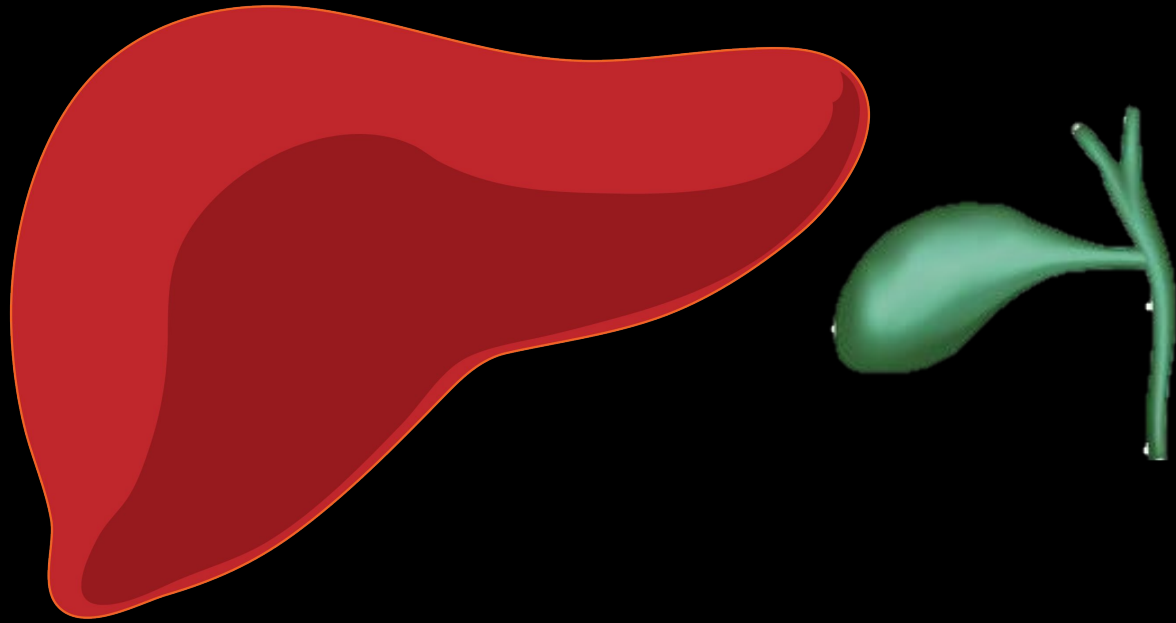
Ампициллин

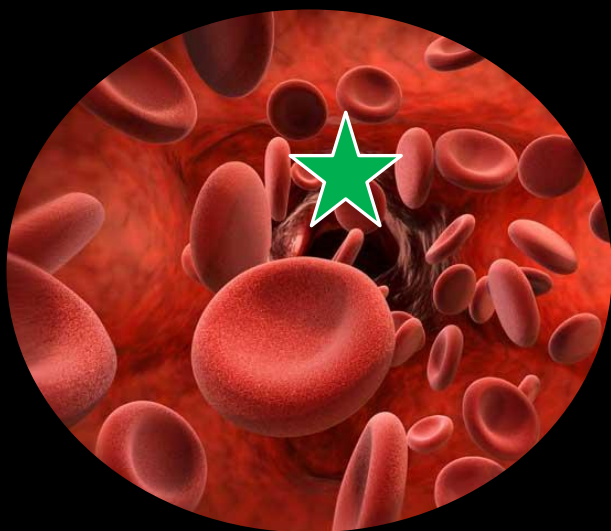
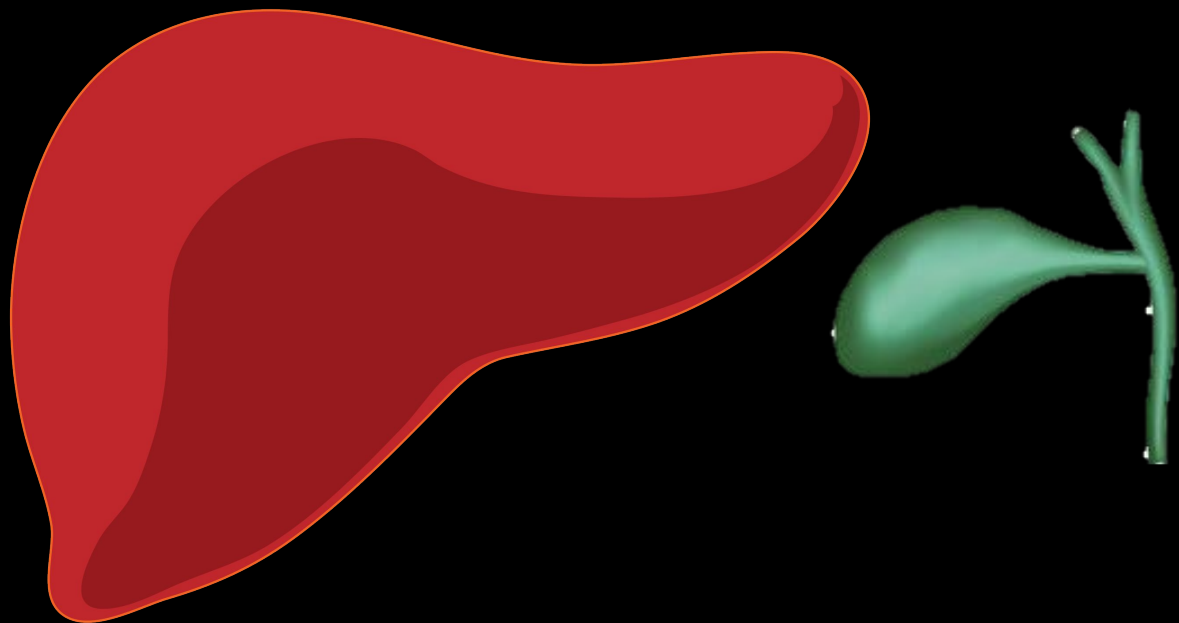


ЧТО МОЖЕТ ПОЙТИ НЕ ТАК?



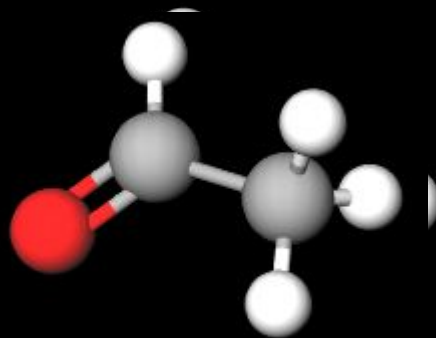




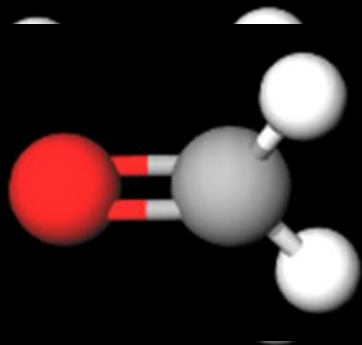


**Энтерогепатическа
я циркуляция**





Ацетальдегид



Летальный синтез



Antidote

Poison

Agent	Indication
Activated charcoal with sorbitol	used for many oral toxins
Theophylline	adenosine poisoning
Atropine	organophosphate and carbamate insecticides, nerve agents, some poison mushrooms
Beta blocker	theophylline
Calcium chloride	calcium channel blockers, black widow spider bites
Calcium gluconate	hydrofluoric acid
Chelators such as EDTA, dimercaprol (BAL), penicillamine, and 2,3-dimercaptosuccinic acid (DMSA, succimer)	Heavy Metal Poisoning
Cyanide antidote (hydroxocobalamin, amyl nitrite, sodium nitrite, or thiosulfate)	cyanide poisoning
Cyproheptadine	serotonin syndrome
Deferoxamine mesylate	Iron poisoning
Digoxin Immune Fab antibody (Digibind and Digifab)	digoxin poisoning
Diphenhydramine hydrochloride and benztropine mesylate	Extrapyramidal reactions associated with antipsychotic
Ethanol or fomepizole	Ethylene glycol poisoning and methanol poisoning
Flumazenil	Benzodiazepine overdose
Glucagon	beta blocker poisoning and calcium channel blocker poisoning
100% oxygen or hyperbaric oxygen therapy (HBOT)	Carbon monoxide poisoning and cyanide poisoning
Idarucizumab	Reversal of dabigatran etexilate, an anticoagulant
Insulin with Glucagon	beta blocker poisoning and calcium channel blocker poisoning
Leucovorin	methotrexate and trimethoprim
Methylene blue	treatment of conditions that cause methemoglobinemia
Naloxone hydrochloride	Opioid overdose
N-acetylcysteine	Paracetamol (acetaminophen) poisoning
Octreotide	oral hypoglycemic agents
Pralidoxime chloride (2-PAM)	organophosphate insecticides, followed after atropine
Protamine sulfate	Heparin poisoning
Prussian blue	Thallium poisoning
Physostigmine sulfate	anticholinergic poisoning
Pyridoxine	Isoniazid poisoning, ethylene glycol
Phytomenadione (vitamin K) and fresh frozen plasma	warfarin poisoning and indanedione
Sodium bicarbonate	Aspirin, TCAs with a wide QRS
Succimer, chemical name Dimercaptosuccinic acid (DMSA)	lead poisoning

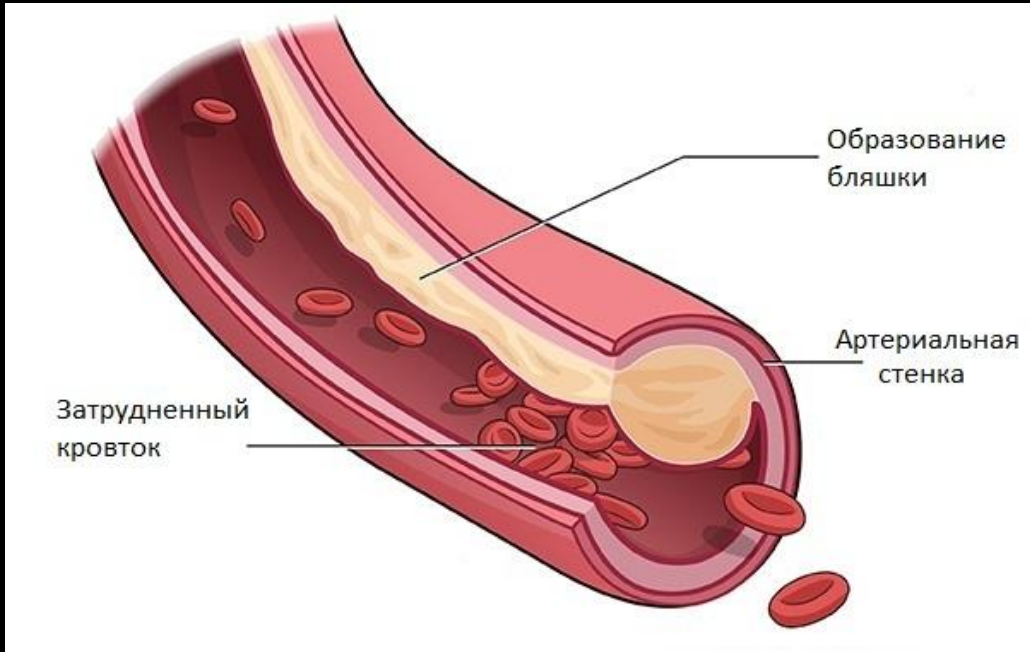
НУ И ЧТО ЖЕ ДЕЛАТЬ?





Подагра

Атеросклероз



Токсиканты



