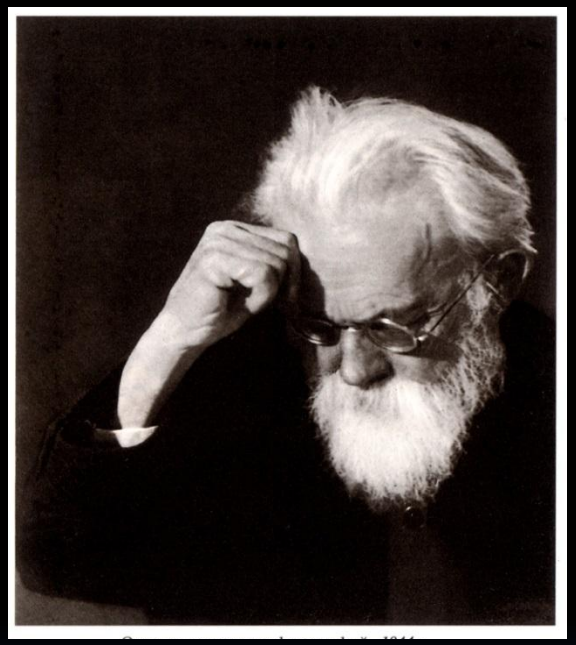
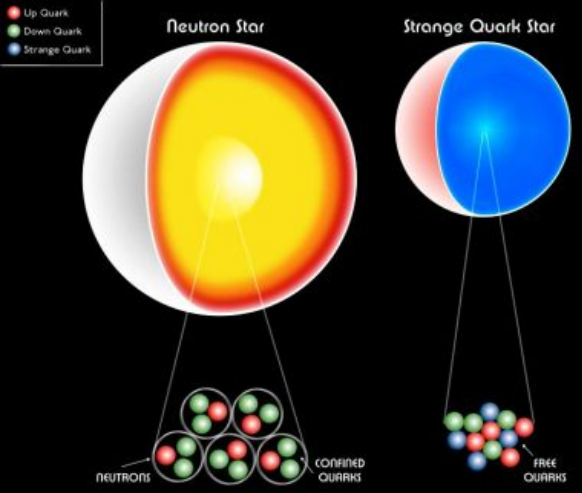
МИР – ЭТО СИСТЕМА СИСТЕМ!

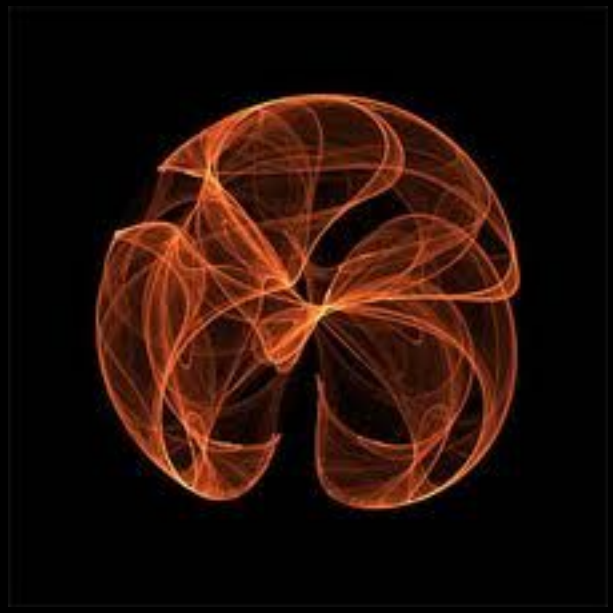


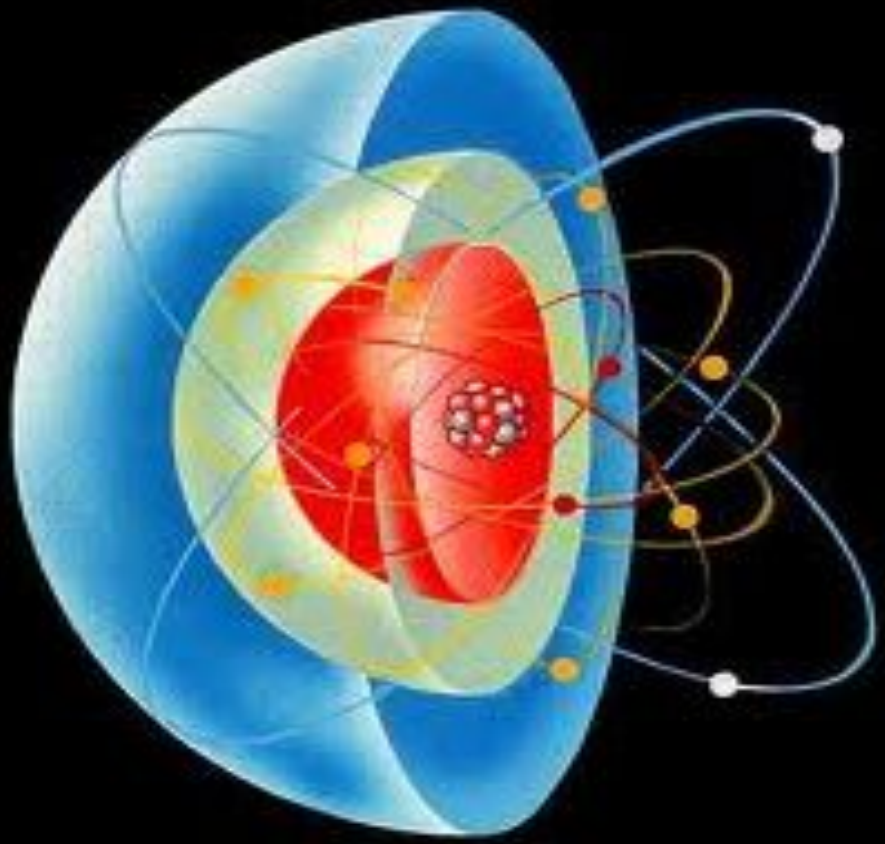
В.И.Вернадский

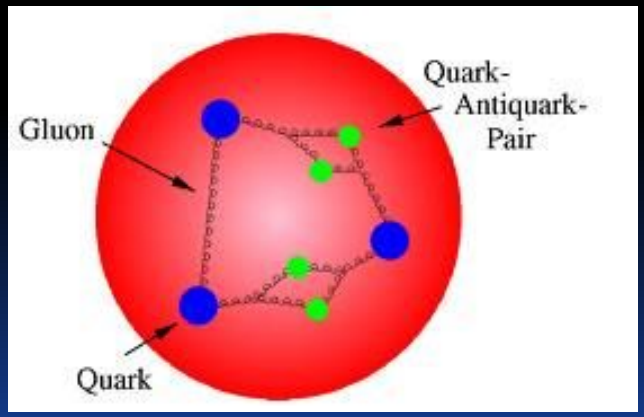
Работу выполнила:
учитель высшей квалификационной категории
Грохольская И.Л.
МБОУ лицей № 81

Атом

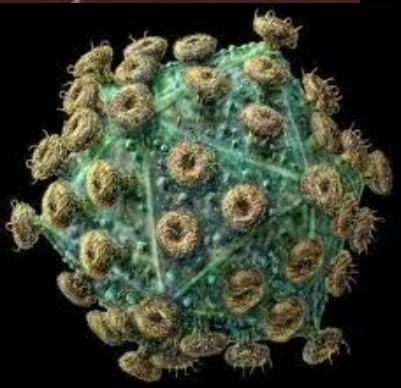

Up Quark
Down Quark
Strange Quark
Neutron Star
Strange Quark Star
NEUTRONS
CONFINED QUARKS
FREE QUARKS

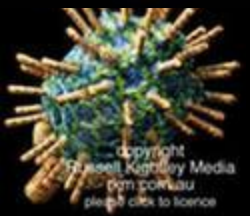





Gluon
Quark-
Antiquark-
Pair
Quark

Молекула

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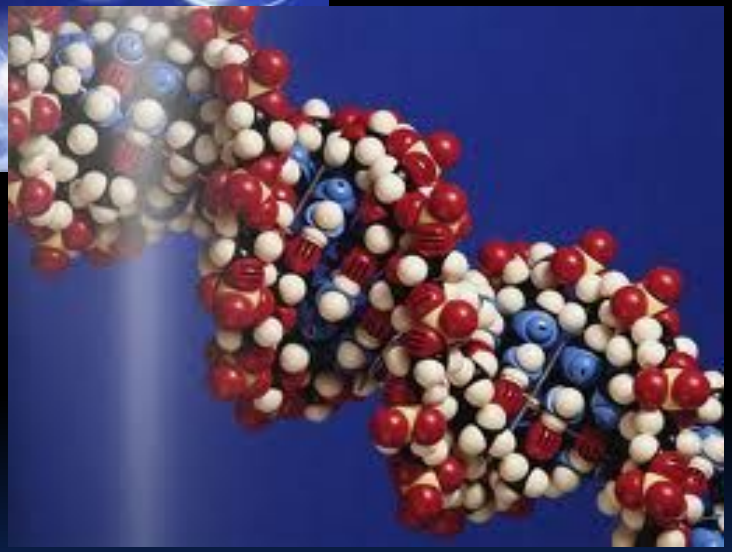

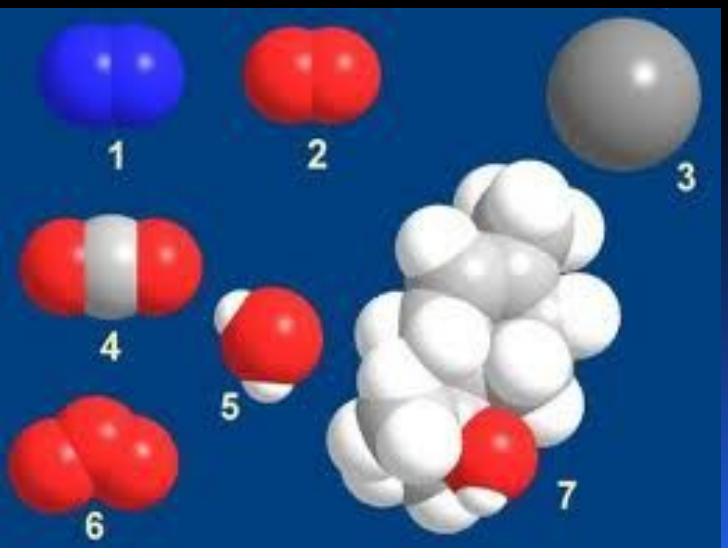
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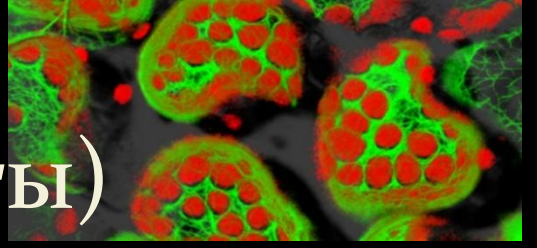
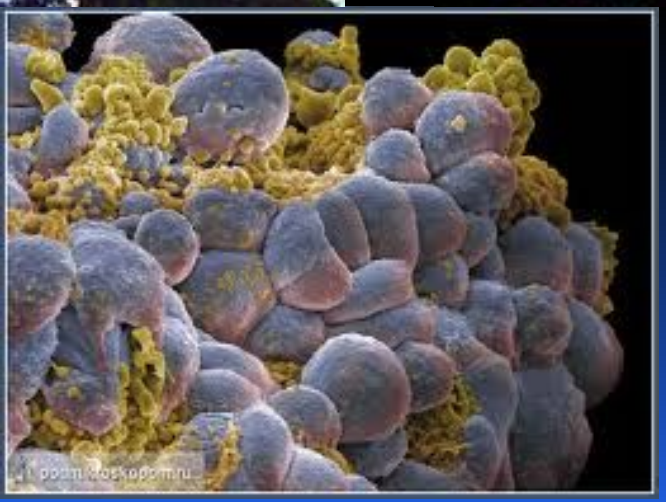
7

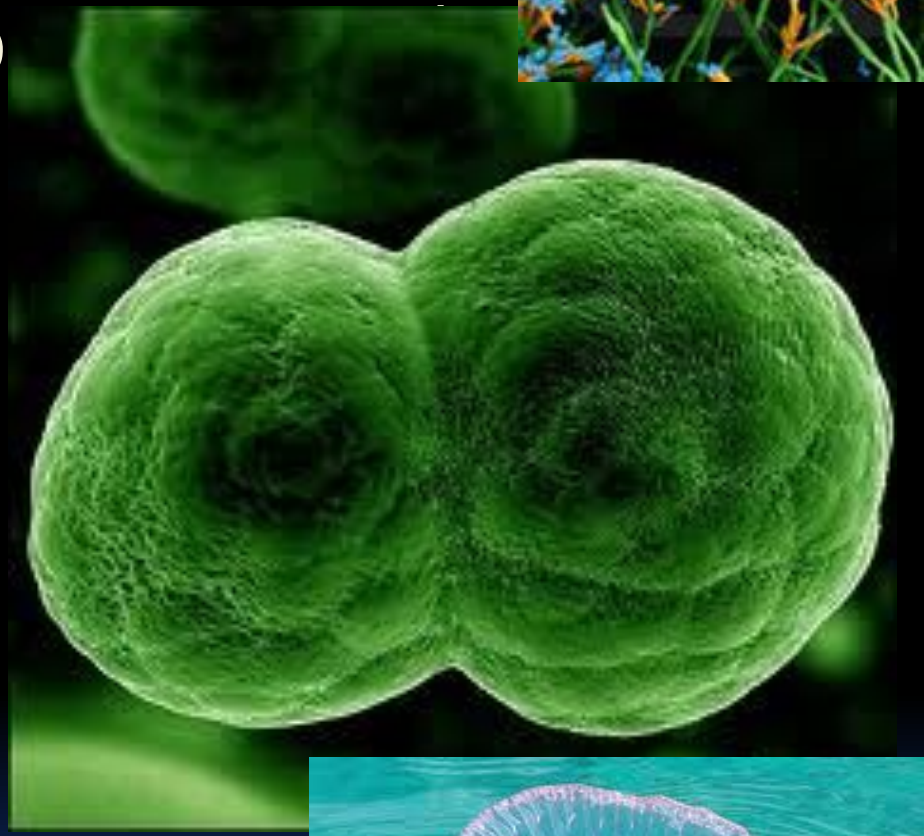
Клетки (прокариоты)
-органоиды



Клетка (эукариоты)

Ткань –
(низшие о





Высшие организмы

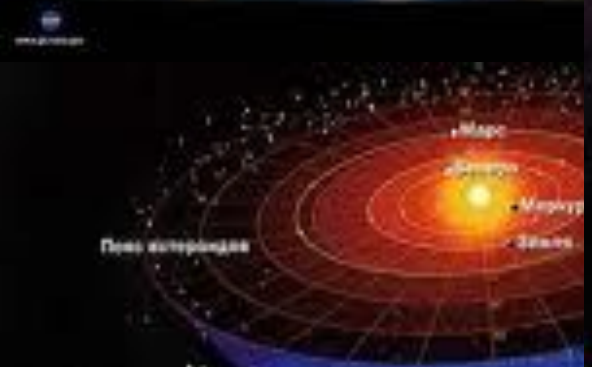
Популяции

Биогеоценозы

Биосфера

Планета Земля

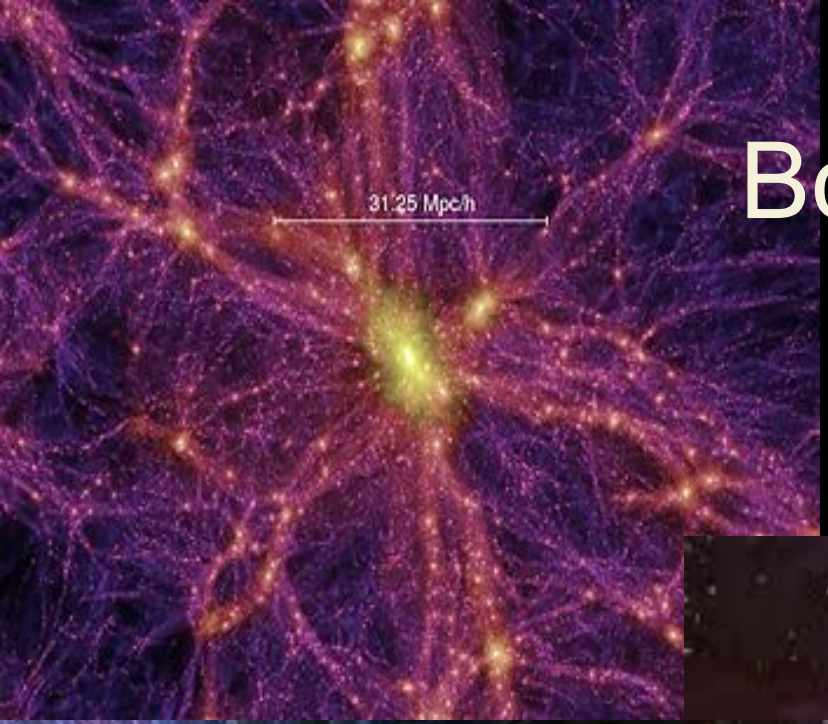
Солнечная система



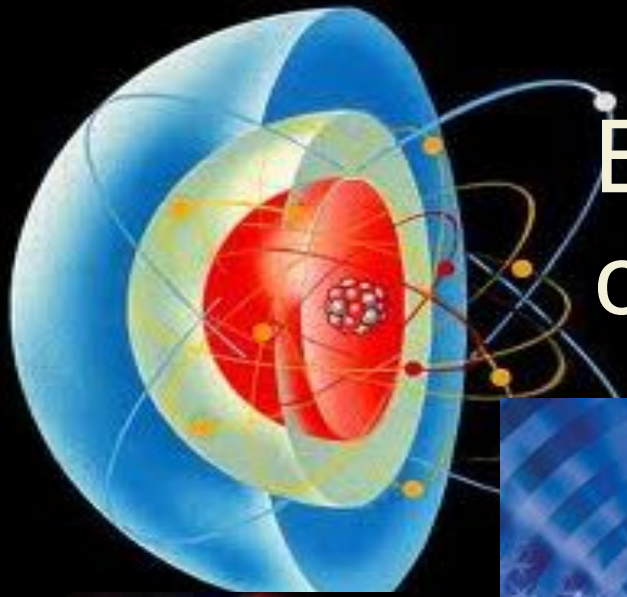
Галактика

Скопление галактик

Вселенная

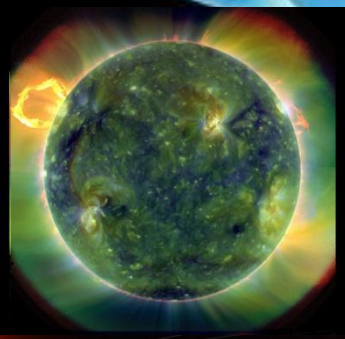


Единица строения



Атом

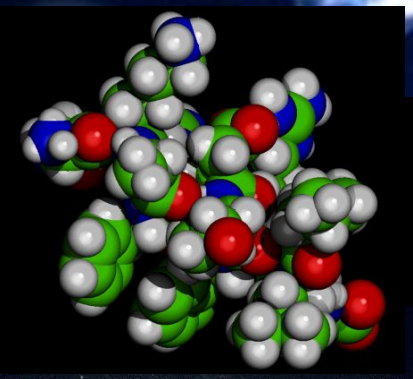
Человек



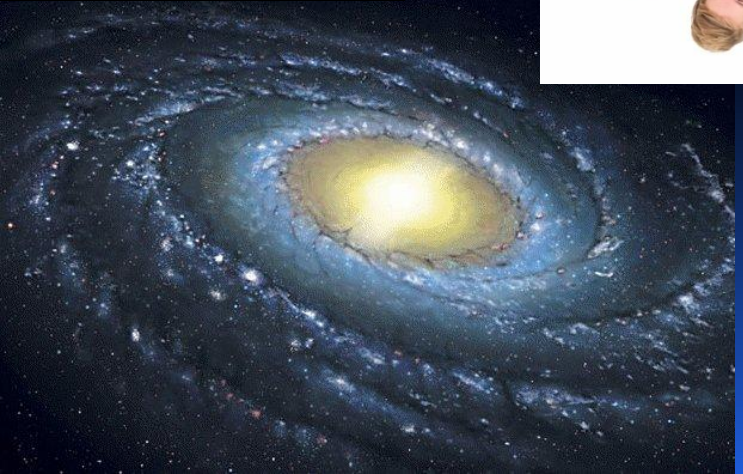
Солнечная система

Скопления

Молекула (атомов)

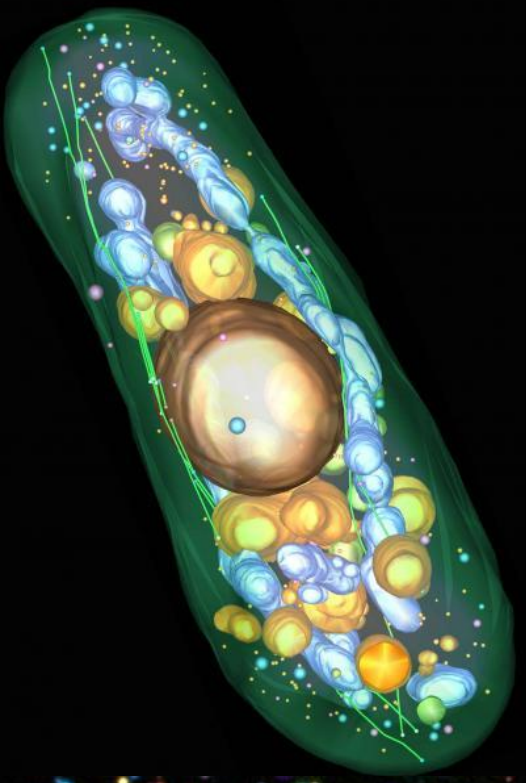


Популяция (организмов)



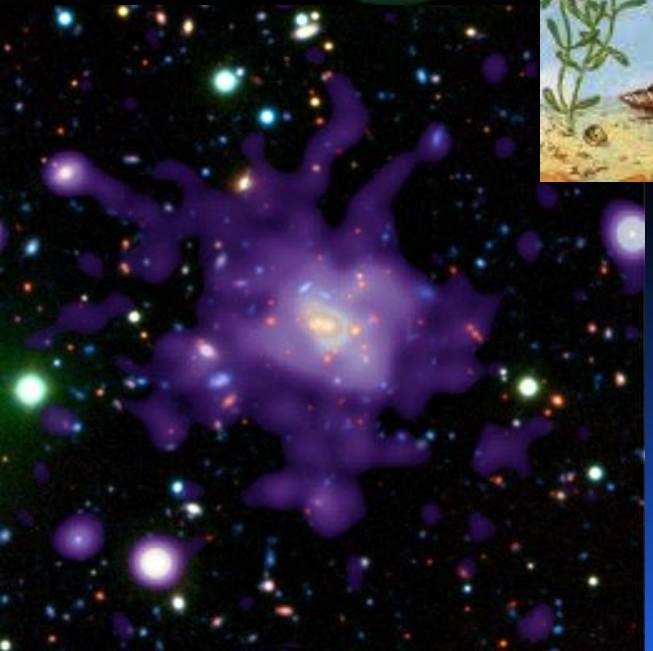
Галактика (звезд)

Сообщества



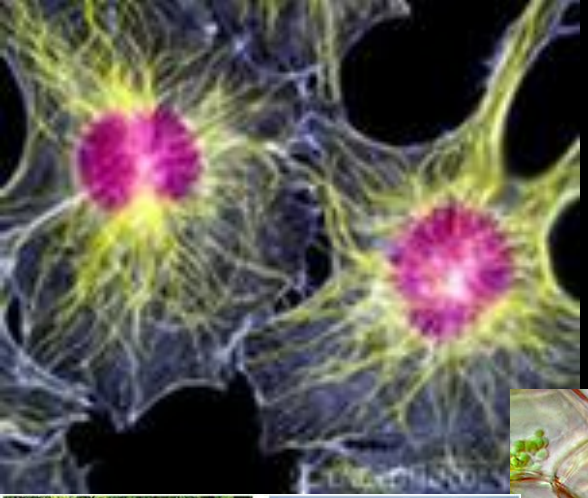
Клетка

Биогеоценоз



Скопления галактик

Ячеистая структура



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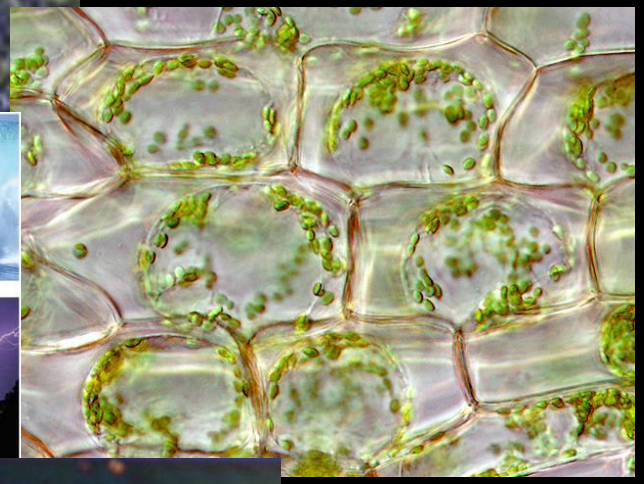
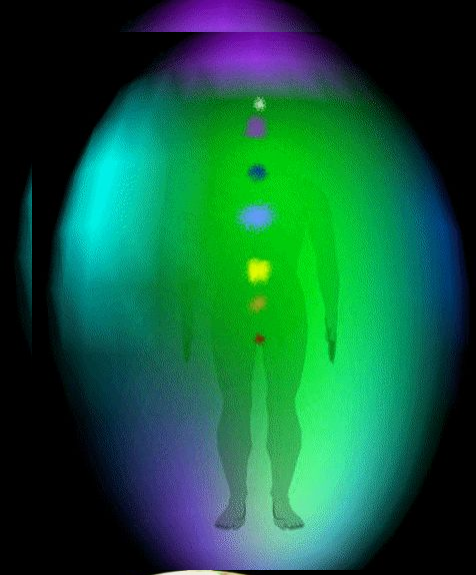


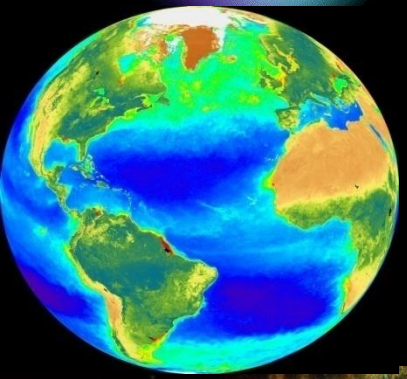
Биосфера

Часть Вселенной



Организм

Человек

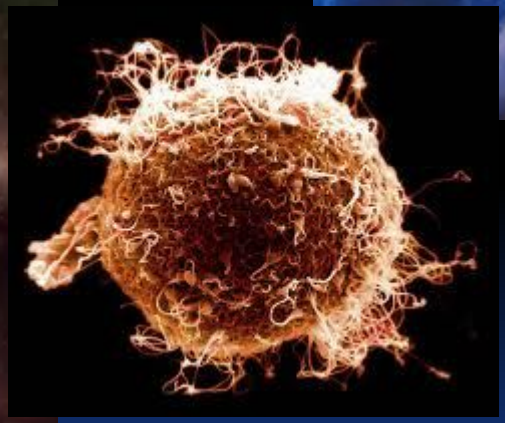


Планета Земля

Вселенная

Дискретность

Свойства систем



самовоспроизведение

Свойства систем

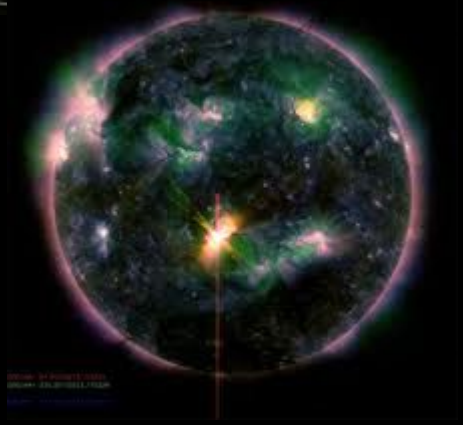
Развитие и рост

Свойства систем

Открытость и раздражимость

Движение

Цикличность



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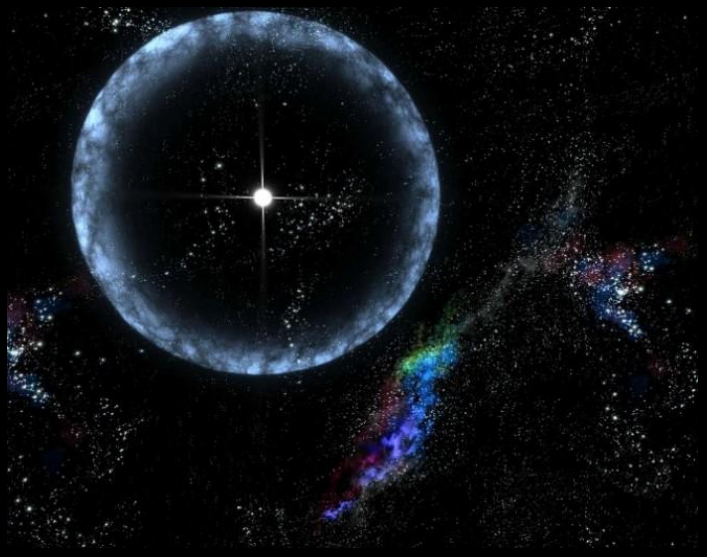
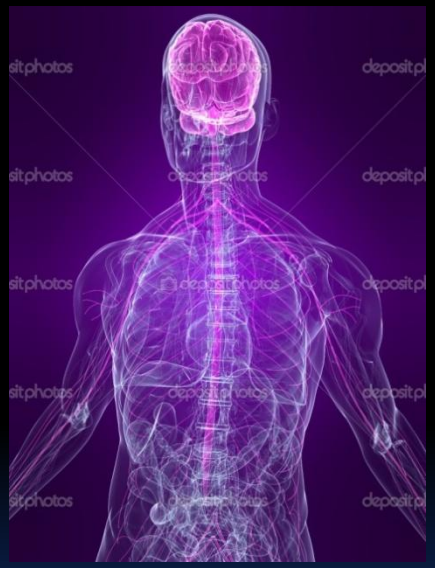
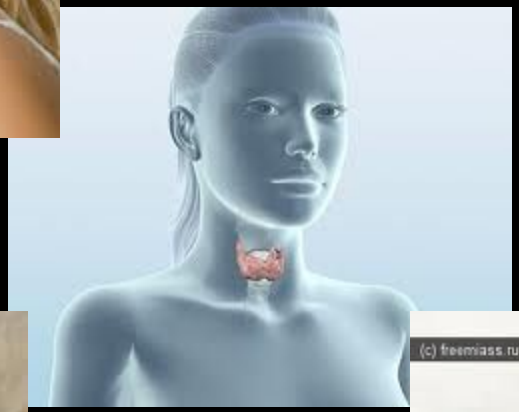
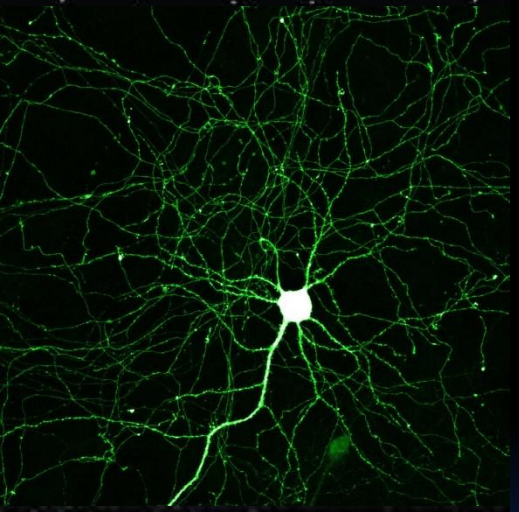




Целостность

Саморегуляция





Мир – единое целое, в нем все взаимосвязано…

еги его!!!