

Bab 1

MIKROORGANISMA DAN KESANNYA TERHADAP BENDA HIDUP



1.1 PENGELASAN MIKROORGANISMA

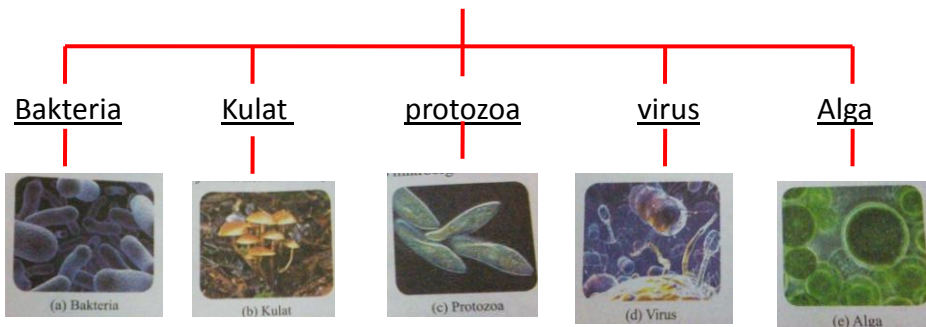
Hasil pembelajaran

Di akhir pembelajaran, pelajar akan dapat :

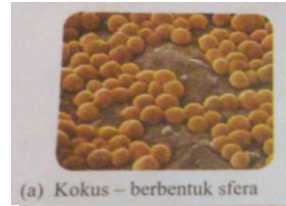
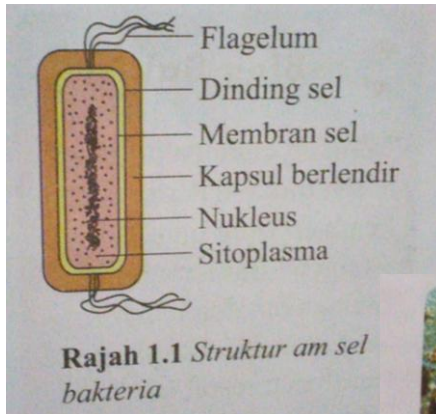
- ☐ Menyenaraikan ciri-ciri pelbagai jenis mikroorganisma
- ☐ mengelaskan pelbagai kumpulan mikroorganisma kepada bakteria, kulat, protozoa, virus dan alga
- ☐ memerihalkan ciri-ciri bagi setiap kumpulan mikroorganisma



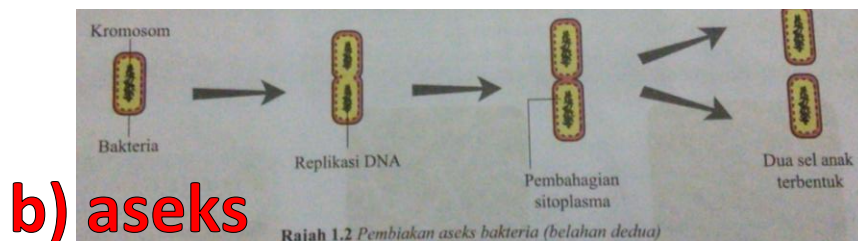
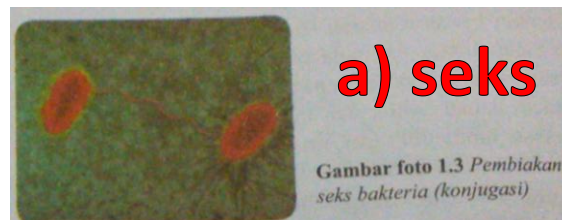
Pengelasan mikroorganisma



Bakteria



Pembiakan bakteria





kulat

cendawan

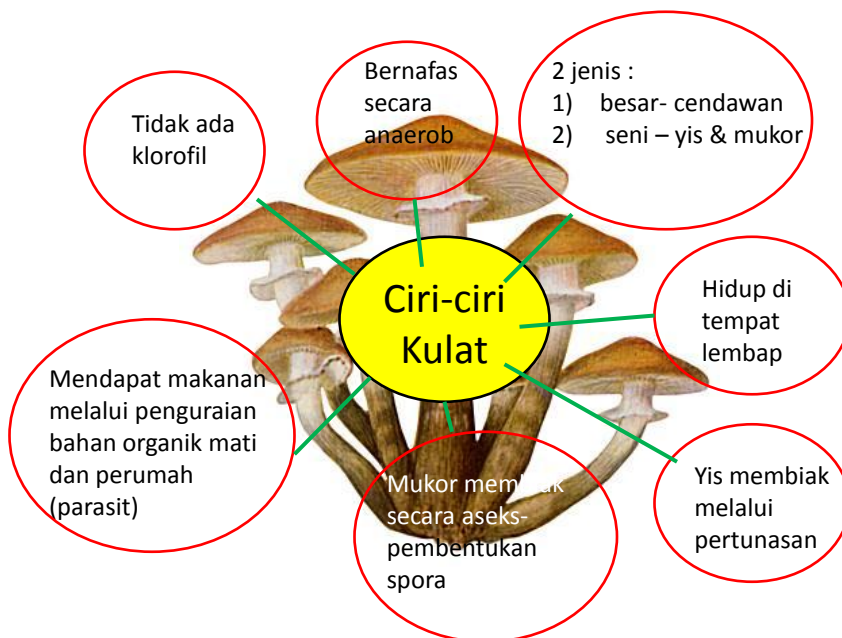
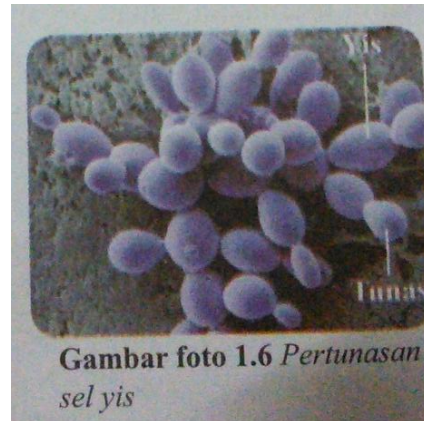
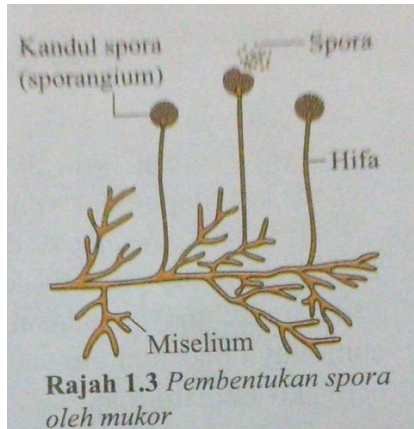
mukor /yis



Pembiakan kulat

a) spora

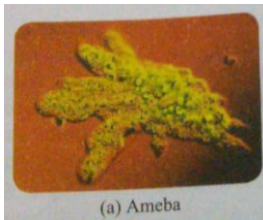
b) pertunasan



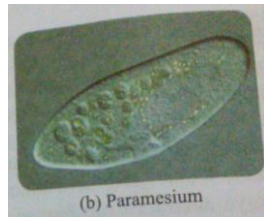
Peta Buih : ciri-ciri kulat



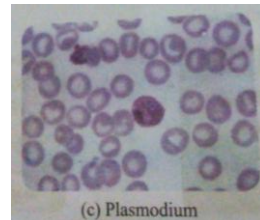
protozoa



(a) Ameba

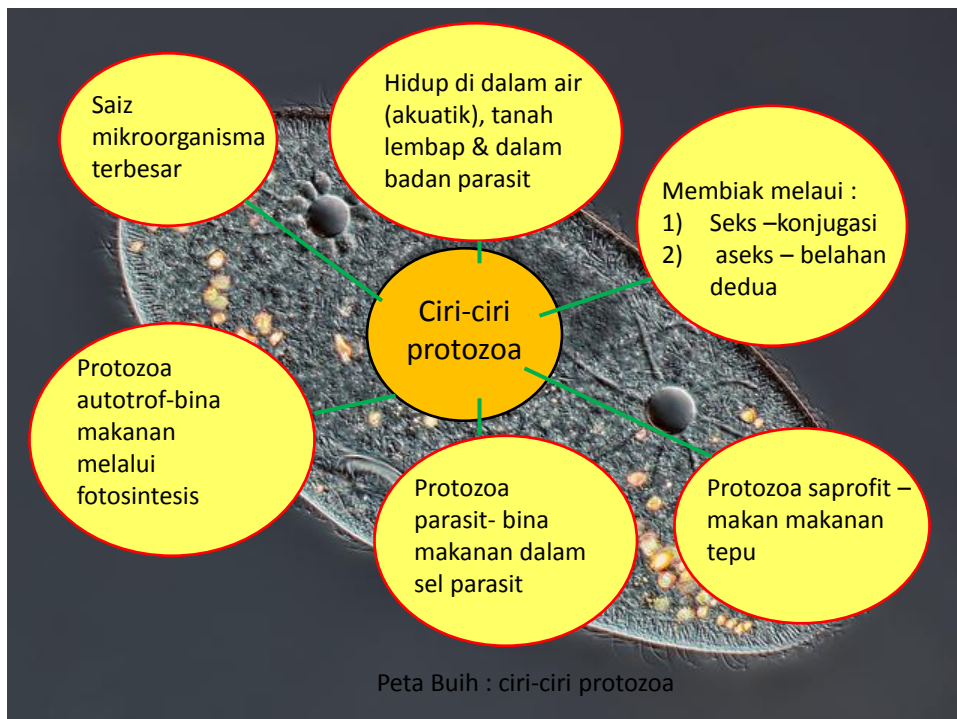
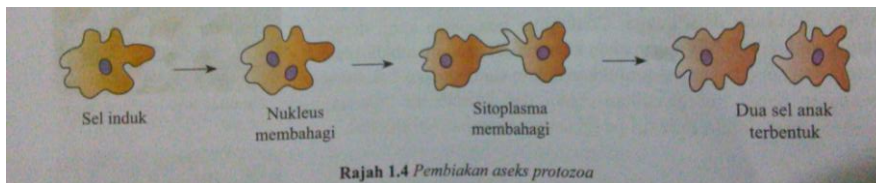


(b) Paramecium

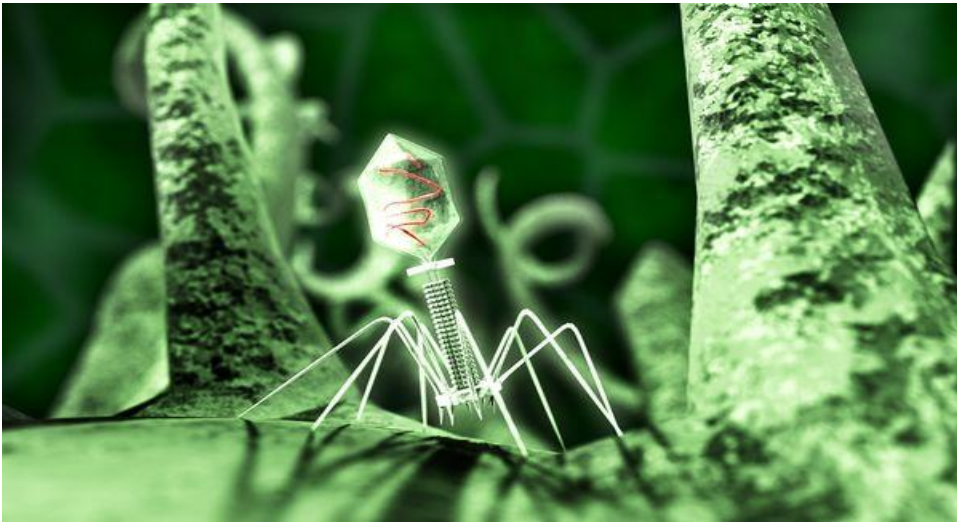


(c) Plasmodium

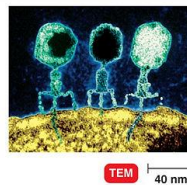
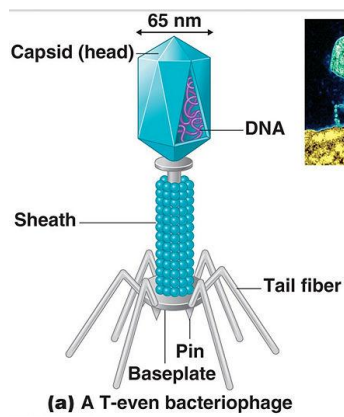
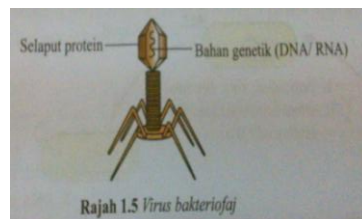
Pembiakan protozoa-aseks (belahan dedua)



apakah yang kamu nampak?

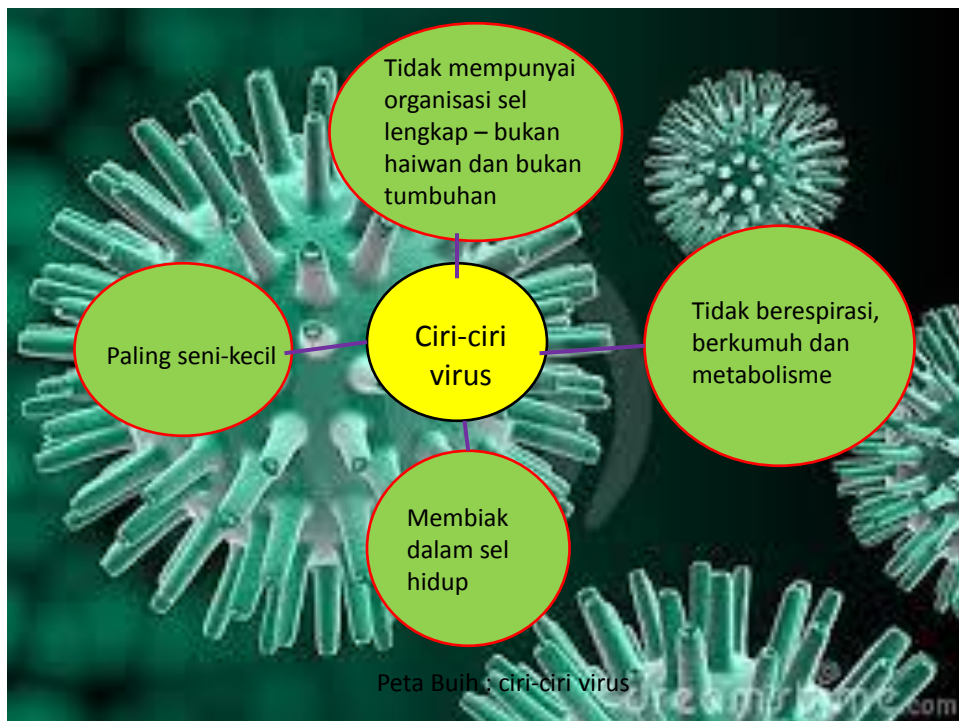
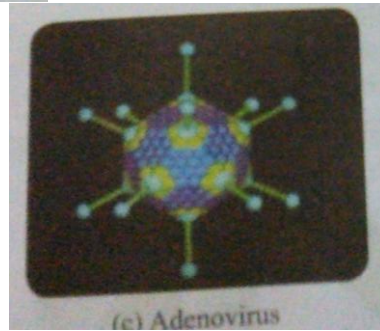
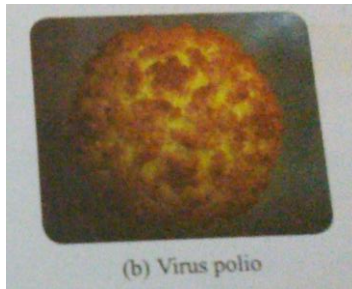
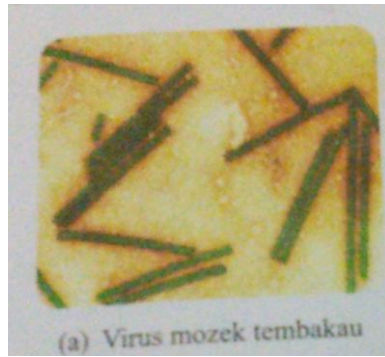


virus

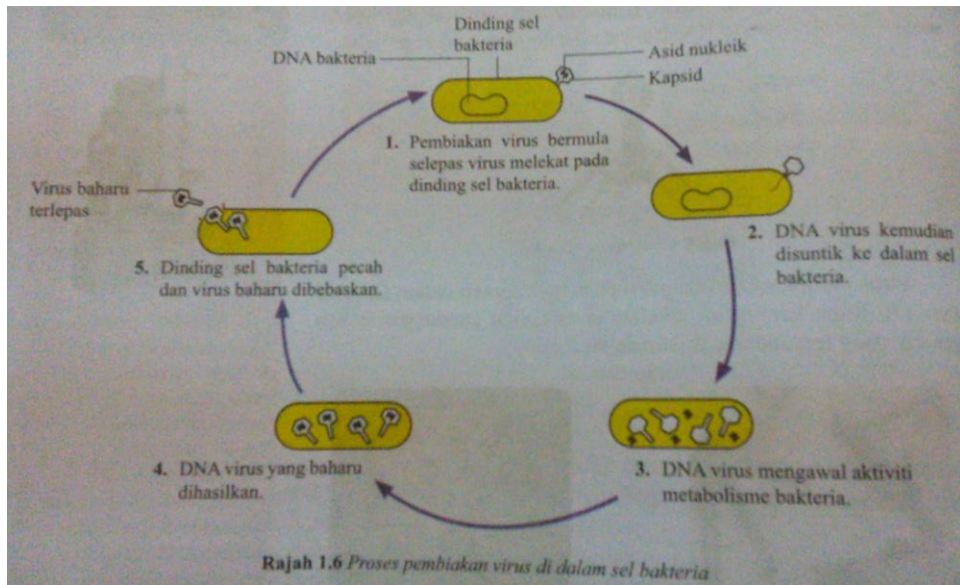


wikiHow

BENTUK VIRUS



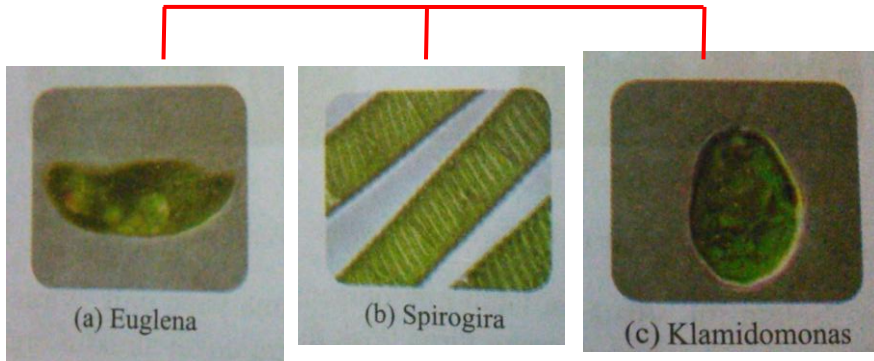
Pembiakan virus

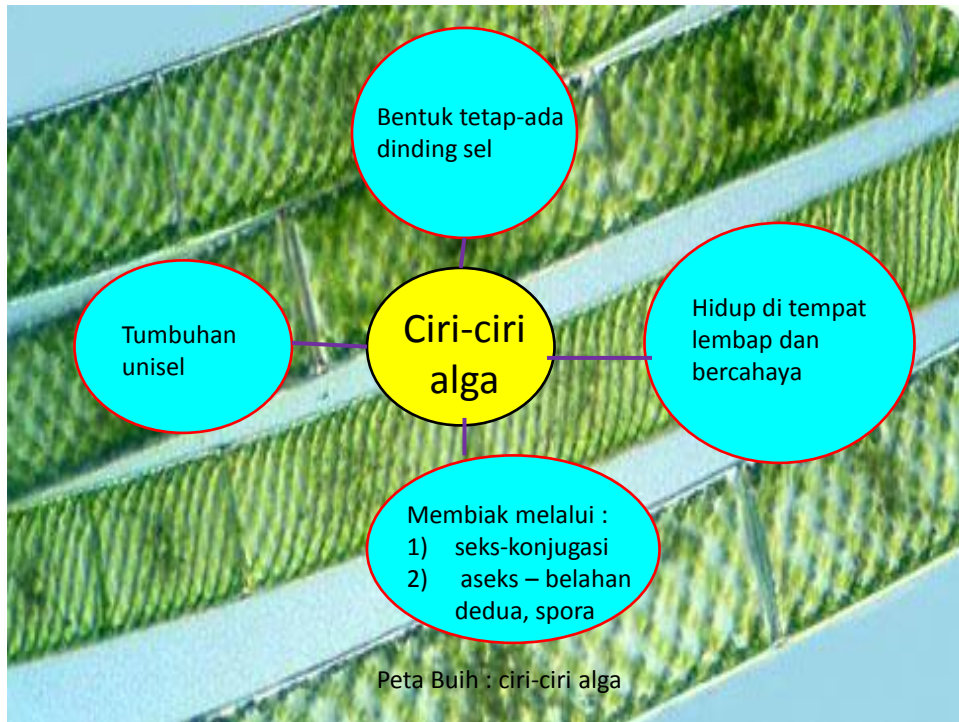


apakah yang kamu nampak?



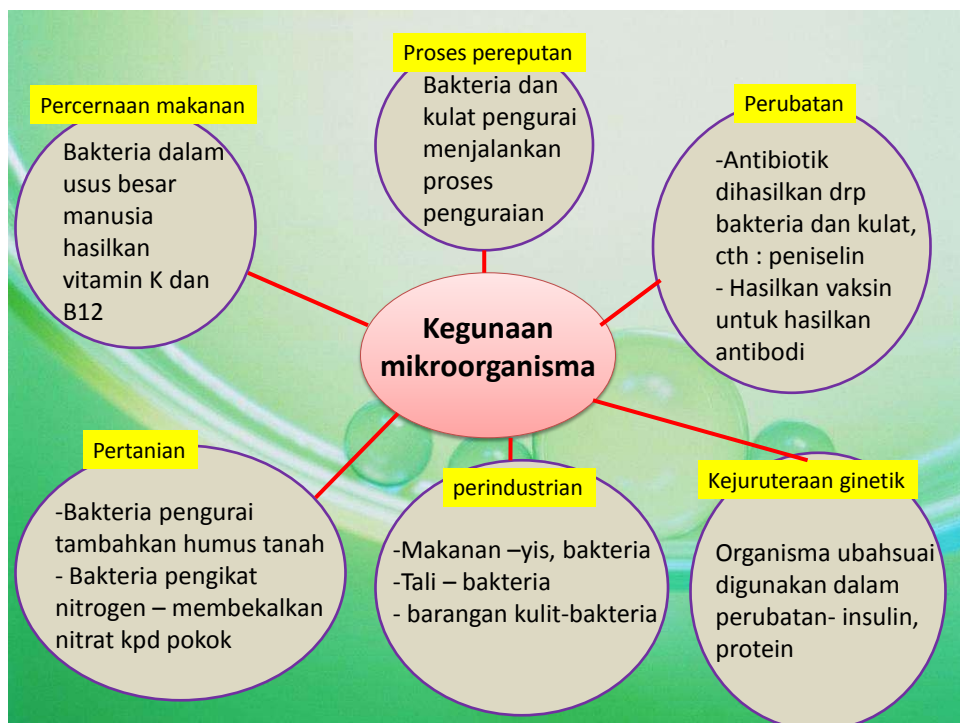
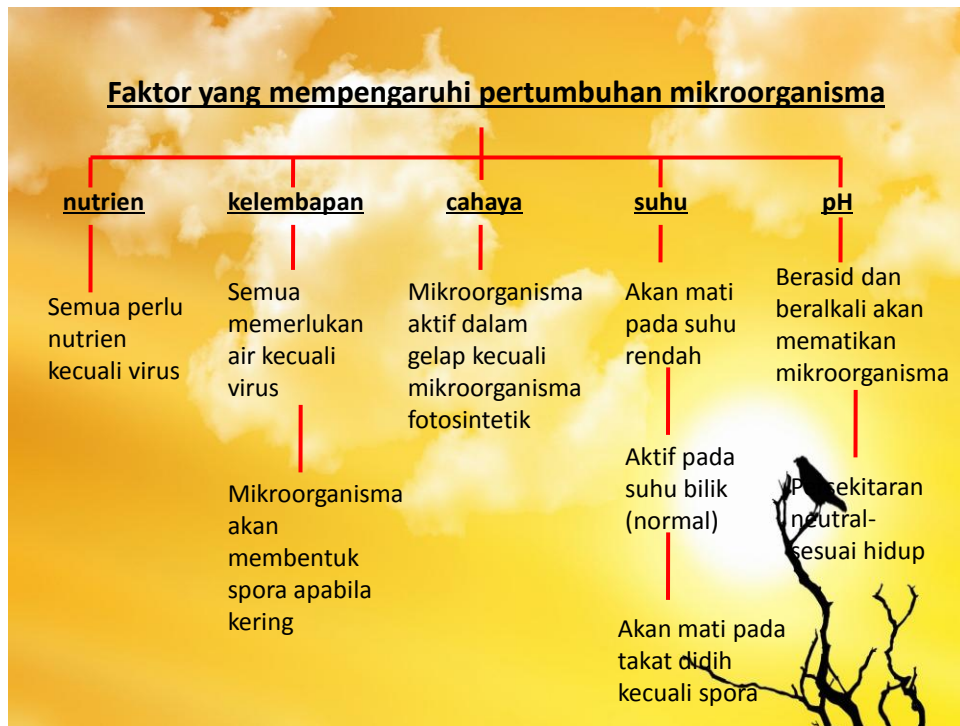
alga



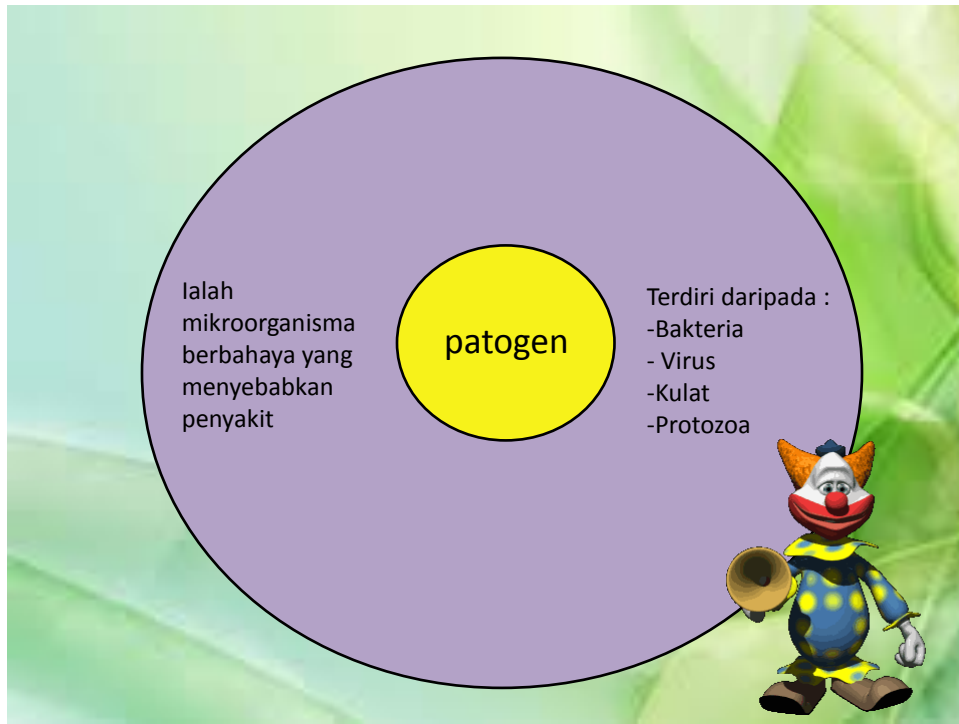


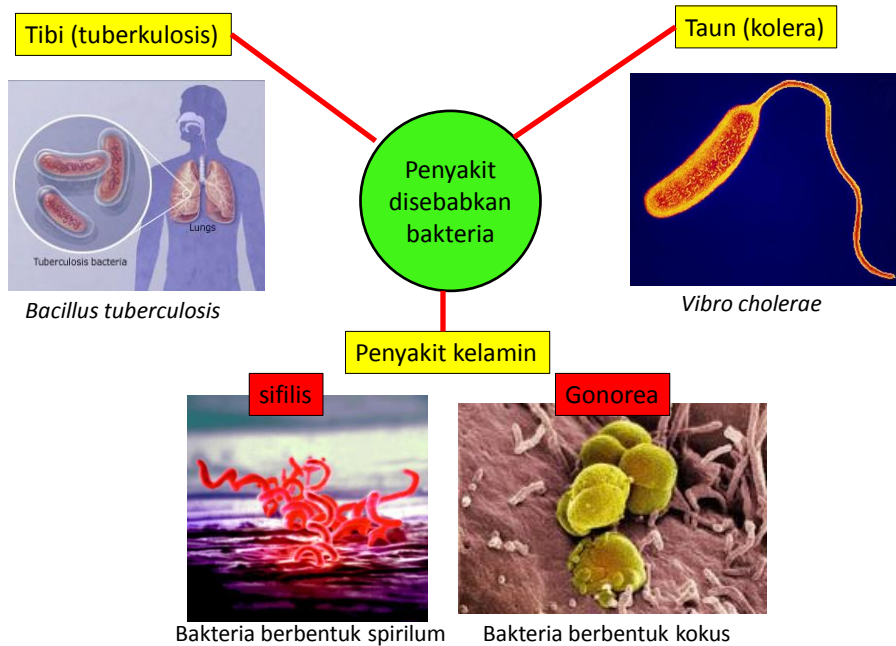
1.2 PERTUMBUHAN MIKROORGANISMA

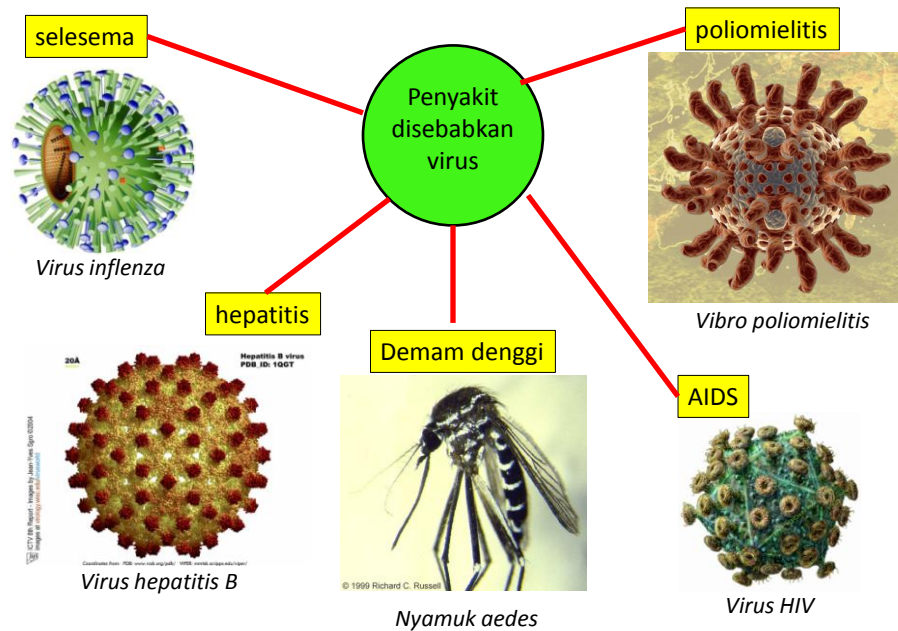


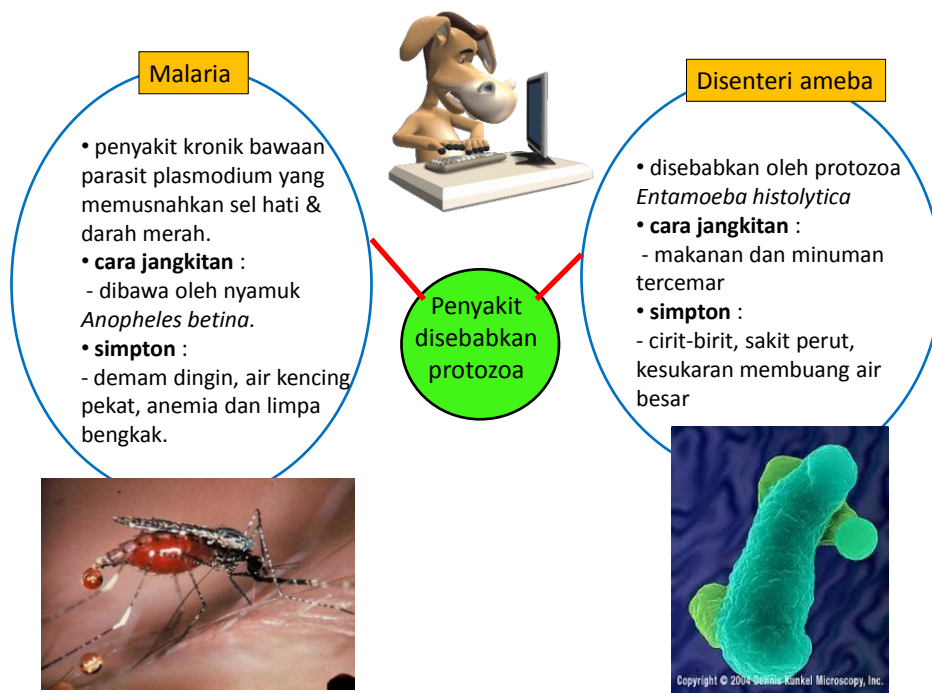
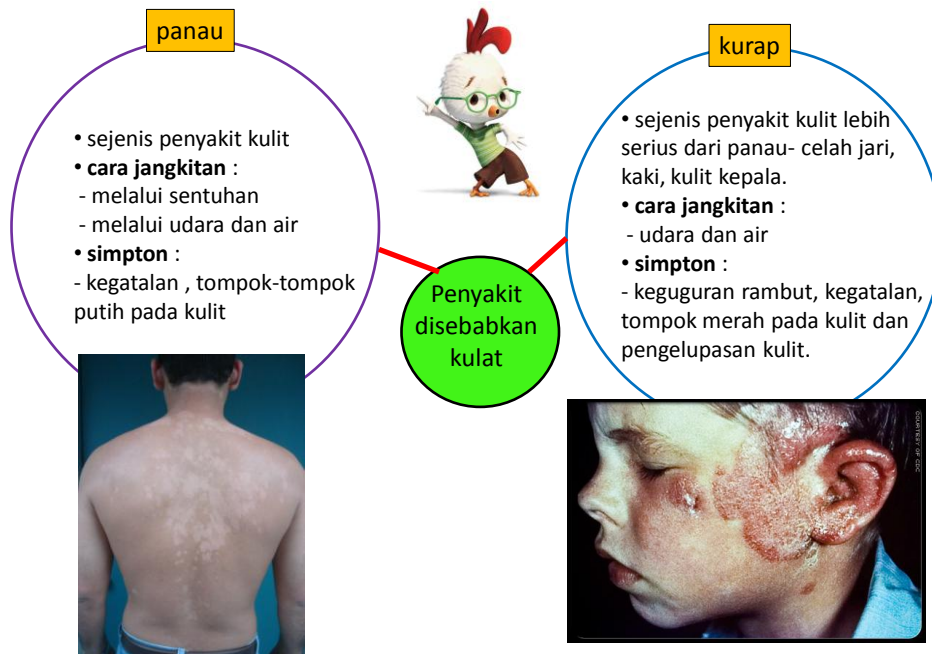


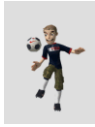




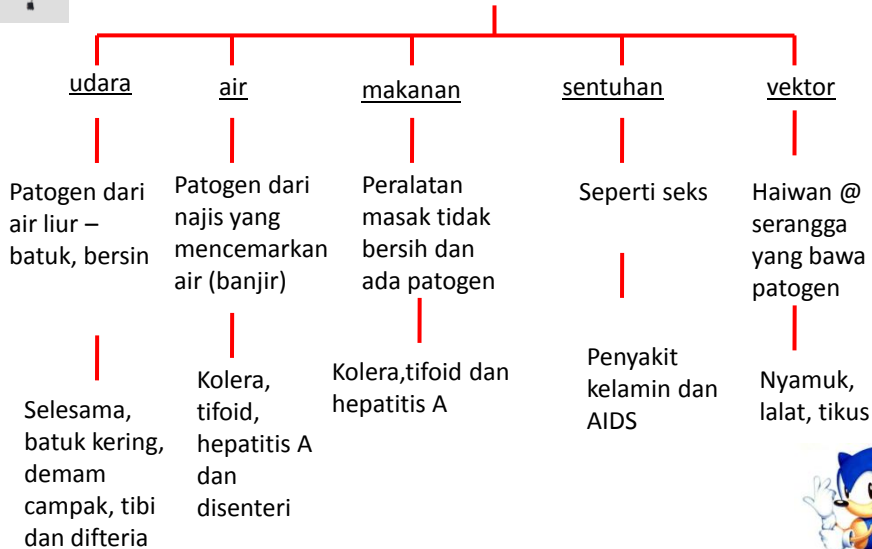








Kaedah jangkitan patogen



1.5 CARA-CARA MENCEGAH JANGKITAN PENYAKIT YANG DISEBABKAN OLEH MIKROORGANISMA



Cara mencegah jangkitan penyakit

Kawalan vektor

Kawalan pembiakan nyamuk

Kawalan pembiakan lalat



Kaedah pensterilan

Proses membunuh patogen

Penggunaan haba

Penggunaan bahan kimia

Penggunaan sinar gama

Keimunan

Aktif

Badan sendiri hasil antibodi

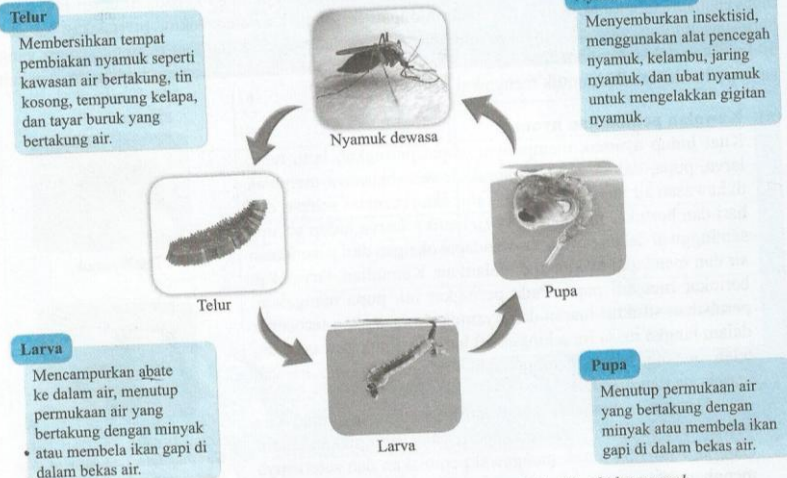
Pasif

Diberi antibodi -suntikan



CARA KAWALAN NYAMUK

Gambar foto 1.35 di bawah menunjukkan kitar hidup nyamuk dan cara mengawalnya mengikut peringkat.



Gambar foto 1.35 Cara kawalan nyamuk mengikut peringkat kitar hidup nyamuk

CARA KAWALAN LALAT

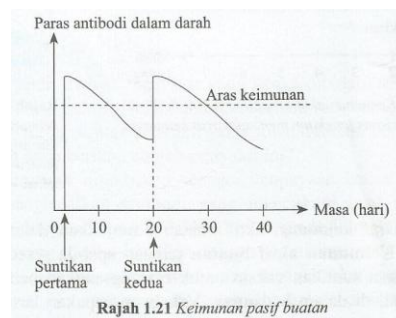
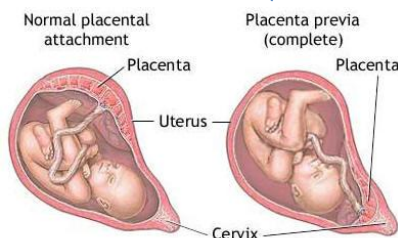
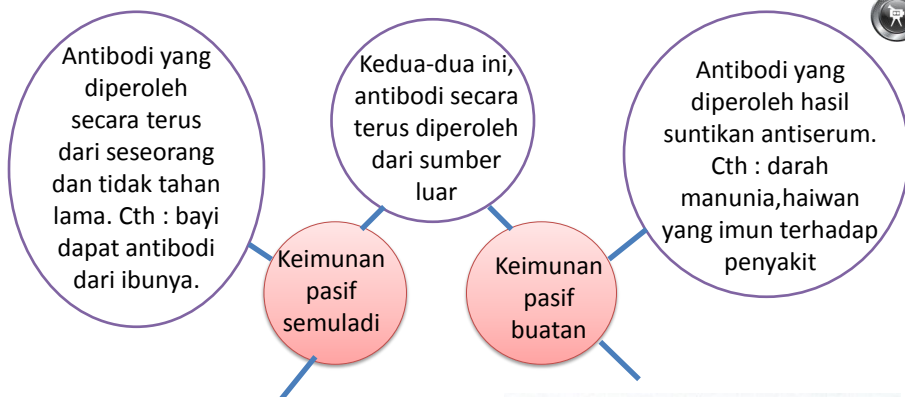
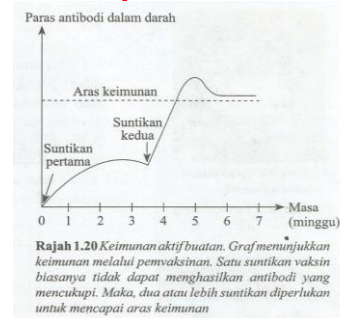
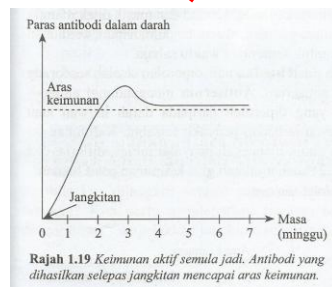


R.....ehat 2 minit....layan..



Jenis-jenis keimunan





1.6 memahami cara merawat penyakit yang disebabkan oleh mikroorganisma

