Knowledge Organiser: Knowledge Organiser: 18th and 19th century Medicine (c1700-c1900)

In 1700, many people no longer believed that God		Chronology: what happened on these dates?			Vocabulary: define these words	
was responsible for causing disease. Instead they		1796 J	96 Jenner discovered the vaccination for smallpox.		A movement in Europe during the 18 th century	
focused on developing scientific explanations. By		1847 J			T I	that promoted the idea that people could think for themselves and that traditional authorities,
1900, germs had been discovered, and there was		1861			The Enlightenment	
ongoing work to create vaccines for diseases caused		1865 Joseph Lister discovered carbolic acid.		Linghtennent	like the nobility and the Church, should not be	
by them. The cleanliness of hospitals improved and surgery became less dangerous through the		The Second Public Health Act. City authorities had to provide clean water,			able to control everyday life.	
development of anaesthetics and antiseptics.			dispose of sewage and employ a public office of health to monitor outbreaks		Microbes	Any living organism that is too small to see
Summarise your learning		of disease.				without a microscope, e.g. bacteria.
	Spontaneous generation				Decaying matter	Material, such as vegetables or animals, that has died and is rotting.
Causes Diagnosis	 was replaced by the Germ Theory The development of work on identifying microbes – Koch identified germs like TB and cholera using industrial dyes Observations and examinations of patients Government action to improve the sanitary conditions of towns The First Public Health Act, 1848 The Second Public Health Act, 1875 Compulsory vaccinations Antiseptics – e.g. carbolic acid Anaesthetics – e.g. chloroform Blood loss was still a 		Who were these people?			
		Edward Jenner	Developed the vaccination to pre- in 872.	vent smallpox, which became compulsory	Organic	Something that is living or that has once been alive.
		Louis Pasteur	Pasteur's Germ Theory claimed th caused decay. This disproved the	nat microbes that spread through the air idea of spontaneous generation.	Culture	Bacteria grown under controlled conditions.
			Koch used industrial dyes to stain and grow bacteria in a Per		Bacteriology	The study of bacteria.
		Robert Koch	och able to find which bacteria caused Anthrax (1876), septicaemia (1878), TB (1882) and cholera (1883).			Rotting material, e.g. meat, created microbes. These microbes spread throughout the air
		Florence Nightingale	hospital care in Britain in two diff	e in the Crimean War she Improved erent ways: the way hospitals were	generation	through miasma.
		Joseph	Joseph Discovered the antiseptic carbolic acid, which surgeons used to spray the			A substance that makes you unable to feel pain.
Prevention		Lister James	operating theatre, wash their han Discovered chloroform, the first e	ds and clean their instruments. Iffective anaesthetic. Queen Victoria used	Chloroform	A colourless, sweet-smelling liquid used as an anaesthetic.
		Simpson	chloroform during the birth of he	r eighth child. Report on the Sanitary Conditions of the		
		Edwin Chadwick	Labouring Classes, which argued that disease was the main reason for poverty, and that preventing disease would reduce the poor rates.		Aseptic surgery	Surgery where microbes are prevented from getting into a wound in the first place, as opposed to being killed off with an antiseptic.
		John Snow				
		Change and Continuity			Inoculate	Deliberately infecting oneself with a disease, in order to avoid a more severe case of it later on.
					A disease causing red blisters on the skin, similar	
		Change		Continuity	Соwрох	to smallpox. It can be transmitted from cows to humans.
	problem in surgeryCleanliness – Nightingale	 New technology - microscope Germ Theory 		 Miasma (but was becoming loss nonular) 	Vaccinators	Doctors paid by the government to vaccinate people against smallpox.
	lowered the death rate	 Anaesthetics and Antiseptics Greater government action – 		less popular)Spontaneous generation (early		Particles inside the body that identify and help to
Treatments	from 40% to 2%Better hospitals and		mpulsory vaccinations and Public	18 th century)	Antibodies	remove germs. The body creates them when it
	nursing		alth Acts			first encounters the germ, so that it can fight off
	Improvements in surgical		.		Laissez-faire	the same disease more easily if it comes back.
	treatment because of					This French term means 'leave be'. It is used to describe governments who do not get involved
	anaesthetics and antiseptic	Prevention		-		in the day-to-day lives of their population.
	 surgery Very little change except in surgery. 	Treatments Causes			Dehydrated	When the body does not have enough water to keep the organs working properly.
			0 2 4	6 8 10	Cesspit	A pit for storing sewage or waste.