



Total Words

By Achieve Psychology For Learning

Pre-Teach

Word Study Activities



■ Curriculum Readers: 800 - 1300 Total Words

Science and Medicine

1. Dr John Snow: The Scientific Thinker of Soho

1. Word list



cholera	Soho	disease	deadly	doctor
fearful	spreading	London	medical	disaster
outbreak	Victorian	cure	dedicated	situation
pump	suffering	patterns	creative	ideas
desperate	believed	infected	research	noticed
treating	proof	terrible	overcrowded	plaque
thousands	determined	immediately	councillors	prove
brewery	prevent	scientific	infected	learnt

2. Reading to remember details:

Fill in the gaps in sentences

1. From the age of 14 when he had begun his medical training, he had _____ himself to finding new ways of treating diseases.

2. If people were not getting _____ with cholera by breathing it in from the air, was he right in thinking that people could be getting the _____ from water?

3. It was at this pump that little baby Frances's dirty nappies had been washed, and it from this pump that mothers, _____ to wash their sick children, rushed to fill their water jugs, quickly splashing some water to wash their dirty hands and clothes.

4. He got the councillors to close the water pump _____.

3. Reading to be an editor – words and grammar: Sorting words into categories

Find words in the book that belong under each heading.

Research to find how cholera was spreading	Dr John Snow's feelings about the outbreak	What Soho was like

2. Edward Jenner: Scientist, Doctor, Observer and Experimenter

1. Word list



disease	scientists	experiment	pus	epidemic
smallpox	infected	complained	antibodies	frightening
observations	especially	sores	orphan	apprentice
medicine	imagine	managed	cowpox	injected
anatomy	wondered	blisters	fortunately	protect
observed	vaccinations	proved	important	cuckoos [®]
smear	confident	scientific	against	knowledge
bacteria	prevent	investigate	declared	educated

2. Reading to remember details: Fill in the gaps in sentences

1. Any parent seeing these _____ knew that smallpox, the deadly disease known as The Speckled Monster, was in their family.

2. Nobody knew how _____ stopped smallpox infections.

3. By the end of his experiments, Edward Jenner had become the person who had proved that _____ could protect us from disease.

4. So Edward Jenner then _____ some pus from a smallpox sore into James Phipps. Poor James!

3. Reading to be an editor – words and grammar: Sorting words into categories

Find words in the book that belong under each heading.

Being a scientist	Smallpox	Edward Jenner as he was growing up

3. Malaria: The Challenge for Scientists

1. Word list



malaria	deadly	disease	mosquito	blood
scientists	prevent	cure	bodies	millions
challenge	genetically modified	research	dissected	microscopes
damaged	parasites	microscope	mosquitoes	experiment
observed	desperately	quinine	polluting	naturally
proved	oxygen	immune	swamp	infected
Nobel Prize	symptoms	larvae	variety	insect repellent
information	knowledge	genetic	engineering	vaccination

2. Reading to remember details: Fill in the gaps in sentences

1. Malaria parasites go into the human liver, and also change the _____ in human bodies by infecting red blood cells.

2. When some types of _____ bite a human, they transfer the _____ into human blood.

3. From that, it was easy to see that when an infected mosquito bit a human or an animal, the _____ parasite would be passed into the human's or animal's blood.

4. Scientists are studying how some people are naturally _____ to the _____; they don't get malaria even though they are bitten by mosquitoes.

3. Reading to be an editor – words and grammar: Sorting words into categories

Find words in the book that belong under each heading.

Effect of malaria	Symptoms of malaria	Mosquitoes

4. Penicillin: The Drug That Happened by Chance

1. Word list



penicillin	doctor	bacteria	Nobel Prize	deadly
curious	terrible	bench	accident	unusual
infection	microscope	patches	proved	happened
laboratory	noticed	mould	figure out	smear
scientist	petri dishes	cell walls	disease	poisons
injected	determined	antibiotic	proved	toxins
science	temperature	protect	puzzling	rewarded
experiments	accidentally	varies	agony	soldier

2. Reading to remember details: Fill in the gaps in sentences

1. Fleming was a _____ working to try and find out more about infections.

2. What Fleming noticed in his _____, was that there was a patch of bacteria that had grown while he had been away, but the patch had stopped growing in one part of the dish where there was a small amount of _____ growing.

3. Alexander Fleming now had the task of finding out exactly what it was that had stopped the _____ growing.

4. Four of the mice were injected with _____, and four were given nothing to protect them from the _____.

3. Reading to be an editor – words and grammar: Sorting words into categories

Find words in the book that belong under each heading:

The scientific work Dr Fleming did	Diseases that are mentioned in the book	How scientists use petri dishes

5. Saving Our Smiles, Saving Our Bites

1. Word list



scientists	teeth	repair	decayed	cavities
chemicals	painful	observations	microscopes	sugary
research	expert	crusty layer	invented	braces
blacksmith	prove	stem cell	electrical current	drilling
knowledge	improved	damaged	preventing	lasers
investigated	light beams	plaque	fluoride	precise
discoveries	dentist	chemical	protecting	damaged
bacteria	quality	toothpaste	published	toothbrushes

2. Reading to remember details: Fill in the gaps in sentences

1. People thought that the sort of worms that they saw eating wood in trees would also eat through our _____.

2. Through his scientific _____ in 1890, Dr Miller was able to show that sugary foods allowed bacteria to grow on teeth.

3. For many years, dentists drilled out _____ parts of teeth and filled in the holes with _____ that set very hard and kept teeth strong.

4. The latest ways that science is changing dentists' work is by using _____ research.

3. Reading to be an editor – words and grammar: Sorting words into categories

Find words in the book that belong under each heading.

Researching teeth and decay	New ways of treating teeth	The work of Pierre Fauchard