

19. What are leeches?

☆FOR TEACHERS: (When you see the red words, please let him read the sentence which is the definitions of each word and that's below this article. After he read it, please explain it to him by your way or ideas.)

♡ Let's not be too tough on the **leech**, after all, leeches can save human lives! **Chemicals** from the leech fight **germs**, widen **veins**, and **restore** blood **circulation**. Doctors are **experimenting** with leech **saliva**, a **substance** that keeps blood flowing freely and **prevents clotting** in people. This **chemical** may **prevent** blood **clots** that could travel to the heart and cause death.

★FOR TEACHERS : Teacher will ask this question first "Are there any words you don't understand?" after explain those words, teacher will make some questions below each paragraph. And let him say the sentences according to your question. (If the student can't make himself, you'll make the sentences) And let him say it 3 times to memorize it:

leech: creature that feeds on blood of animals. ヒル

Chemical: substance produced by process involving chemistry. 化学の; 化学的な, かがく かがくてき

germ: form of bacteria that spreads disease. 細菌, 病原菌 さいきん びょうげんきん

vein: tube that carries blood to your heart. 血管 けっかん

restore: cause particular situation to exist again. 返す, 返還する かえす へんかん

circulation: continuous movement of blood around body. 流通, 循環 りゅうつう じゅんかん

experiment: scientific test done to find out something. 実験 じっけん

saliva: the liquid produced by glands in your mouth. つば.

substance: liquid, solid, or gas, 物質 ぶつしつ

prevent: stop something from happening. 起こらないようにする; 予防する, おこらない よぼう

clot : blood become thick and stop flowing. [血などの] かたまり ち

♡ But **leeches** bite and suck people's blood! When a leech **attaches** itself to you in the lake, you aren't looking for a medical **cure**, so you'll want to remove it. Why do they pick on you? **Leeches** may **sense** the **ripples** in the water and then swim on over. (Just for the record, only a few **species** **prey** on people.) Some leeches have 80 saw-like teeth. Their bite leaves a clear Y-shaped mark. Others suck blood through a **straw**-like body part called a **proboscis**. A leech can suck up to ten times its weight in blood in about 30 minutes. When it's full, it drops off.

★FOR TEACHERS :

attach: join something to something 取りつける, くっつける とりつける

cure: treatment that makes sick person healthy. 治す, いやす なおす

sense: a strong feeling or belief about yourself. 感覚, 感じ, 気持ち かんかく かんじ まもち

ripple: liquid: moves gently in small waves. さざなみ さざなみ



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species: plants or animals with same features. (動植物分類上の)種類 どうしょくぶつぶんるいじょう しゅるい

prey: animal caught and eaten by another animal. えじき, 獲物 えもの;

straw: yellow stems of dried crops. わら, 麦わら むぎわら

proboscis: long nose of some animals. (象などの長くて動く)鼻, 大きい鼻 ぞう ながくてうごく はな おおきいはな

♡ These **vampires** of the worm world also live just about anywhere that gets **damp**. High mountains, **polar** seas, **desert** water holes, you name it! Some leeches can bite through a hippo's hide, while others live on the gums of the Nile crocodile. In the U.S., leeches mainly **latch** onto people who are swimming or playing in ponds and lakes. With its **slimy**, **squirmy**, wormy body, a leech will never win any beauty contests, but they do have their good side.

★FOR TEACHERS :

vampire: character in stories sucking blood from people's necks. 吸血鬼 きゅうけつき

damp: slightly wet, often in unpleasant way. 湿気のある, じめじめした, しっき

polar: relating to an area near the Poles. 南 [北] 極の, なん ほつ きょく

desert: area with few plants and little water. 砂漠 さばく

latch: bar for keeping door, gate, etc. shut. (ドア・門などの) 掛け金, もん かけがね

slimy: covered with a thick wet unpleasant substance . ぬるぬるした, 泥だらけの. どろだらけ

squirmy: move by twisting and turning.(苦痛・不快・苛立ちなどで)身もだえする, もがく. くつう ふかい いらだち み



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