

No \_\_\_\_\_ Name \_\_\_\_\_

**Test 1** Read the following sentences and answer the questions.

The temporomandibular joint (TMJ), a hinge-like joint that connects the skull to the mandibular jaw, is located on each side of the face. It enables actions such as ( ① ) and ( ② ). TMJ is an important organ that controls jaw movement and is therefore deeply involved in issues such as occlusion and mastication, which are fundamental to dentistry. It is also known that functional or organic changes can cause disorders, resulting in a variety of clinical problems. Therefore, in everyday clinical practice and when treating various temporomandibular joint disorders, it is becoming increasingly important to understand the ( ③ ) and ( ④ ) of the TMJ in order to understand its pathology.

Temporomandibular joint disorder (TMD) is a group of conditions that affect the joints that move the jaw. Common symptoms of TMD include jaw and facial pain, headaches and migraines, and earaches and tinnitus. Causes of TMD include jaw tension caused by stress and bad habits, such as resting your chin on your hand. Some TMD symptoms are temporary and may resolve on their own. Treatments include gentle stretching of the jaw muscles and the use of mouth and night guards.

1) Write down possible words to insert into ① to ④.

① **chewing**    ② **speaking**    ③ **anatomical structure**    ④ **functions**

2) 下線部を英訳しなさい。

顎関節症（TMD）は、顎を動かす関節に影響を及ぼす疾患群です。TMDの一般的な症状には、顎や顔面の痛み、頭痛や片頭痛、耳の痛みや耳鳴りなどがあります。TMDの原因には、歯ぎしりや食いしばり、噛み合わせの悪さ、ストレスによる顎の緊張などがあります。多くのTMDの症状は一時的なもので、自然に治まることもあります。治療法としては、顎の筋肉を優しくストレッチしたり、マウスガードやナイトガードを使用したりすることが挙げられます。