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### Reading Test (20 mins)

Read the article below and summarize in 50 to 100 words. You will need to copy-paste the link below in your browser.

<https://www.theguardian.com/film/2023/feb/17/how-to-train-your-dragon-live-action-remake-week-in-geek-shrek>

Ben Child from The Guardian states that live action remakes of animated movies are Disney's new addiction. There have been a lot of remakes in the past, but mostly after 20 or 30 years of the original movie. However, Disney is changing that. Recently, Disney announced that they would be making a remake of *How To Train Your Dragon* only 13 years after its release. The path that Hollywood seems to be taking is to remake old animated classics instead of creating sequels. Remakes are making the studios' money, so there could be no end of remakes in the future.

### Vocabulary Test (20 mins)

Hyperbole - a way of emphasizing something that makes it sound much more impressive or much worse than it actually is.

= Hyper (over/overly/above/beyond) + bole (a throwing)

Hypothermia - condition of having a 'low' body temperature

= Hypo (under) + therm (heat)

Google five words with "hyper" root and write their meanings

Google five words with "hypo" root and write their meanings

Hyperspeed - An extremely high speed ✓

Hyperactive - More active than normal ✓

Hyperventilate - Breathing over a normal or sustainable rate ✓

Hypersensitive - Feeling over Sensitive ✓

Hyperthermia - Having a High Body Temperature ✓

Arjun Vismay  
Feb 18<sup>th</sup> ✓  
Y2

Nile.

7/10.

Hypoventilation- Breathing under the normal rate ✓  
 Hypodermic- Under the skin ✓  
 Hypochondriac- A person who underestimates their health status ✓  
 Hypoglycemia- A person who has low blood sugar ✓  
 Hypoacqueous- Not enough water X

9/10

### Writing Test (30 mins)

Why would you like to study at AOS/AET/TJ ?

Max: 150 Words

Min: 100 Words

Must use one/more of these words or their synonyms: Teamwork or Creativity or Research

STEM

It

I would like to study at AOL as it allows me to branch out and pursue my interests in the best way possible. If I were to go to any high school, I would try to continue research I had done in my middle school and learn about new topics in science, math, engineering, and business. AOL would be the best environment for me to do this, as their curriculum is very cohesive and advanced, so it would challenge me to work harder and to be more creative. I would like to pursue STEM, so it would be advantageous for me to learn at these schools. AOL would be the best place for me to enhance my mind and help me pursue my passions at the same time.

Avoid superlative. Use Good

**Math Test (10 mins):** Juliene practiced her dance routine for twice as many minutes on Monday as she did on Tuesday. She practiced her routine those two days for a total of 2 hours and 15 minutes. For how many minutes did Juliene practice her dance routine on Monday?

### 90 Minutes

(\*) Statement should be followed by examples.

First, we need to convert 2 hours and 15 minutes into minutes, which is 135 minutes.

Next we use the equation  $135 = 3x$ , where  $x$  = time spent practicing on Tuesday.

Monday	Equation: $3x = 135$	Tuesday
2x		X

✓ 1/1

When you solve for  $x$ , you get that  $x$  is equal to 45, so that means that Juliene practiced for 45 minutes on Tuesday. Next, you know that she spent double the amount of time spent on Tuesday practicing, so that means that she spent 90 minutes practicing on Monday.

**Science Test (15 mins):** Read the passage below and answer questions 7 through 13.

Arjun V ✓  
2/2

7.c —  
8.j —  
9.c —  
10.j —  
11.a —  
12.f —  
13.a —

5/7

B

B

## Passage II

A teacher provided the table below to the students in a science class. The table gives 5 properties for each of Samples A–H. The students were told to assume that each sample is a completely solid cube composed of a single hypothetical pure substance.

Sample	Mass (g)	Volume (cm <sup>3</sup> )	Density (g/cm <sup>3</sup> )	Melting point (°C)	Boiling point (°C)
A	8.0	4.0	2.0	126	747
B	8.0	4.0	2.0	342	959
C	6.0	3.0	2.0	237	885
D	6.0	3.0	2.0	237	885
E	8.0	2.0	4.0	126	747
F	8.0	2.0	4.0	126	747
G	4.0	1.0	4.0	126	747
H	4.0	1.0	4.0	342	959

Note: Assume that mass, volume, and density were determined at 20°C and that all 5 properties were determined at 1 atmosphere (atm) of pressure.

The teacher asked each of 4 students to explain how these data could be used to predict which samples are composed of the same substance.

### Student 1

If 2 samples have the same values for all 5 properties, they are composed of the same substance. If 2 samples have different values for any of the 5 properties, they are composed of different substances.

8. Based on Student 3's explanation, the same substance composes both of the samples in which of the following pairs?

11. Which of Students 2, 3, and 4 would be likely to agree that Sample A and Sample B are composed of the same substance?

### Student 2

If 2 samples have the same values for any 3 or more the 5 properties, they are composed of the same substance. If 2 samples have the same values for fewer than 3 of 5 properties, they are composed of different substances.

### Student 3

If 2 samples have the same mass, volume, and density they are composed of the same substance. If 2 samples have different values for any of these 3 properties, they are composed of different substances. Neither melting point nor boiling point, by itself, can distinguish between substances.

### Student 4

If 2 samples have the same density, melting point, boiling point, they are composed of the same substance. If 2 samples have different values for any of these 3 properties, they are composed of different substances. Neither mass nor volume, by itself, can distinguish between substances.

7. Based on Student 1's explanation, the same substance composes both of the samples in which of the following pairs?

- A. Samples A and B
- B. Samples B and C
- C. Samples C and D
- D. Samples D and E