FORCE, WORK & ENERGY

Name: _____ **3º ESO** ____

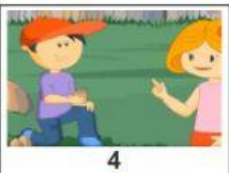
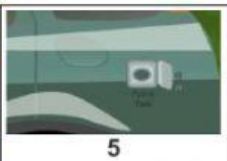
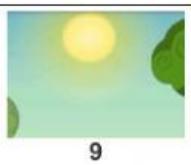
1. Listen and fill the gaps.

Hey! Today **mama has asked** me to **clean** the garden. Yes, we **should remove** all the **stones**. I can't move it! Can you help me? Sorry! Mama won't allow that. **Put** some more _____! What **is** _____? When we **try** to _____ or _____ something it **means** we **are putting force**. Yes! To **stop something** also we **need** to _____ **force**. Oh! Thank you! Do you **know force** can also **change** the **direction** of the things?	
Let's focus on _____. Oh! I**'ve done** a lot of **work**. I **pushed** that **stone** too much. In ***science language***, you **have not done** any **work**. Why? Whatever **force** you _____ but if **things do not move**, that **means**, **work is not done**. Why? Oh! So let me **leave** this big **stone**. Let me _____ these smaller ones. Yeah! This **is** the right **choice**. At least you'**re moving** few **things** and some **work is being** _____.	
Oh! I **don't have** _____ to **walk**. I **don't have ability** to **work**. I'm tired. Yes, you're right. **Energy is ability to work**. Do **cars** also **use energy**?. Yes, they **use** _____ or **gas** as **energy**. So the **coal**, or **gas**, **has energy** which **makes things** to _____. All **things require energy** to **move**. So we **can** _____ **energy**. Yes, **energy can be stored** like in the **petrol tank** of a **car**. Oh! I **used** so much **force** and **energy** but very less **work was done**. Yes. To me **you applied** lot of **force** and you **used** so much of your _____ **energy** but she **would** only **move** few **things**. Hands. Less **work was done**.	
Now we **would see** different _____ of **energy**. Oh! This **bulb is giving** so much of _____. Yeah! Adverse on **electric energy**. Hey! This **fire is giving** so much of **heat**. This **is called** _____ **energy**. Okay. Tell me! What **energy** is this? You'**re doing work** with your **muscular energy**. Oh! It **is** so **hot** here! You know where **heat is coming** from? Yeah! I know. It **is** all **coming** from the _____. Yes! You're right. **Energy** which **comes** from the **Sun is called solar energy**. You know this _____ at night **does not need electricity**.	

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You **see** that **panel**. Yes. It **stores** **solar energy** during the **day** from **Sun** and at **night** it **gives** that **energy** to the **bulb**. Oh! So this but **works** on **solar energy**.	
Let me **show** you **something**. Hey! _____ **has** so much **force**. Oh! This **is** **energy** of **water** with more **things**. Hmm. This **is called** **water energy**. Yeah! This **is called** **hydroenergy** because **water** **is** also **called** **hydro**. Oh! These **are** big _____. These **are called** _____. They **produce** **electricity**. Hey! Listen! **Wind** **helps** in **electricity** also. This **is called** **wind energy**. Hey! Listen! It**s** **getting** so _____! Let**s** **go** **home**.	

2. Listen and choose the described image.

 1	 2	 3	 4	 5	 6
 7	 8	 9	 10	 11	 12

1ª:	2ª:	3ª:	4ª:	5ª:	6ª:
7ª:	8ª:	9ª:	10ª:	11ª:	12ª:

3. Working on groups, describe the selected image. Then read the description to Elisabeth. She should guess it.

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