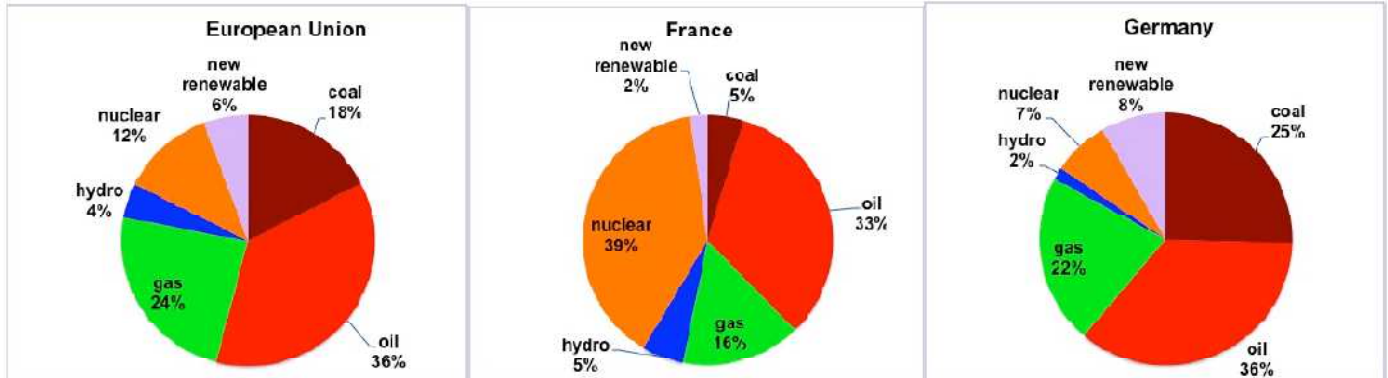


EXAMEN : baccalauréat Général – Série S –SVT ou S-SI	SESSION 2014
EPREUVE : Evaluation spécifique de Langue en section européenne	
PHYSIQUE – CHIMIE en langue ANGLAISE	
THEME : ENJEUX ENERGETIQUES	Sujet n°15

Energy transition and energy mix

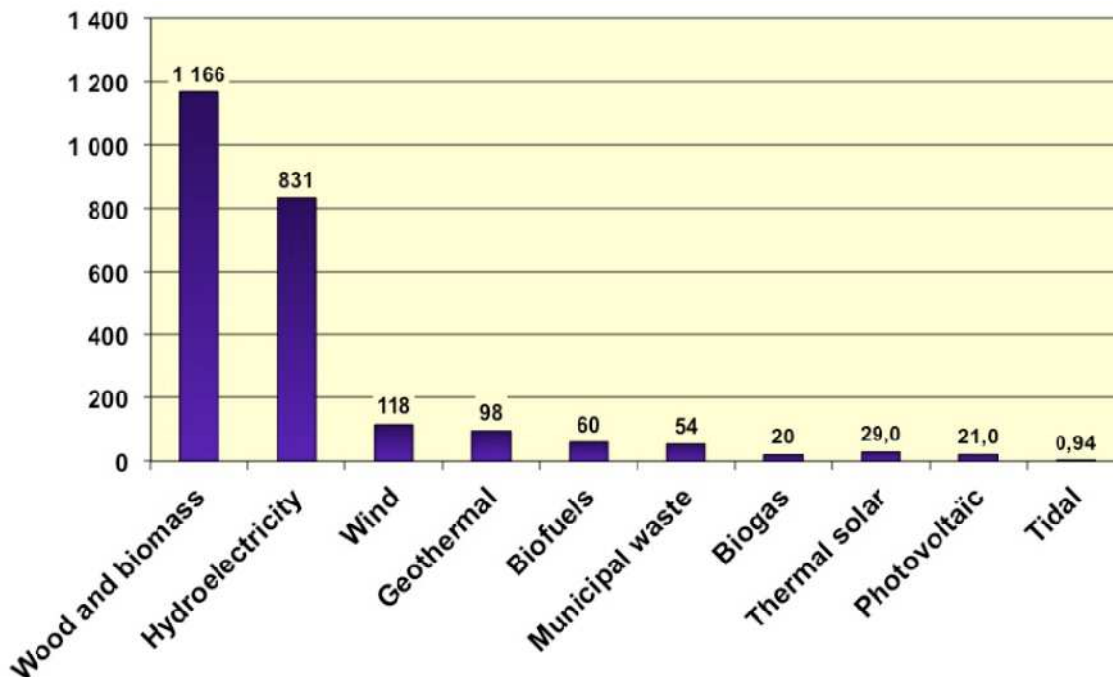
Document 1



Share of each energy in the primary supply of Europe (left), France (middle), Germany (right) in 2012. Wind, photovoltaic, geothermal, biogas, and all renewables except wood, biofuels and hydro are in "new renewables". Wood is not included (7% of the supply in France).

Source BP Statistical Review, 2013

Document 2



Renewable energy supply in the world in 2012, in million tons oil equivalent (with this unit the world consumption is around 13,000). Wood therefore represents 8% of the world total, and hydroelectricity 6% (primary energy equivalent).

Various sources, 2013

*tidal : marée

1. Present then comment on the document.
2. Using your scientific knowledge, describe the advantages and drawbacks of fossil fuels versus renewable energy resources. Give examples.
3. What does energy transition mean? What about Energy mix ?