

Content Guide for EOSC118

Platinum 2013 Johnson Matthey PLC, Hertfordshire, England, 60 pp.

This 60-page document reviews the current market conditions of the platinum group elements. It reviews the supply, demand, uses, and economic outlook of the PGEs.

Of the 60 pages, we'll read the following sections:

- "Summaries: Platinum, Palladium, other PGM", pages 4-9
- "Supplies, Mining & Exploration: North America", pages 19-20
- "Platinum Uses", pages 23-30 (just in brief – skimming OK)

Other pages you might find interesting, but are optional, include:

- "Executive Summary", pages 2-3
- Remainder of the Supplies, Mining and Exploration, pages 14 - 22
- "Palladium Uses", pages 35-40
- "Other PGE Uses", pages 41-42

Use the discussion board on Connect to pose questions, since the questions that you have are probably in the minds of another one of your fellow students.

Use the following questions, outlined by section, to help you through the report:

Summaries

3. above-inflation labour and energy cost increases, falling productivity and torpid dollar pgm price. Strikes too

about 1600 US

1. What were the average prices per oz for each of the PGEs at the end of 2012?
2. What was the gross jewellery demand of Pt in 2012? Industrial demand? Total demand?
3. How many ounces of Pt did South Africa produce in 2012? Is this an increase or decrease from 2011? If so, what was the cause?
4. What was the largest demand for Pd in 2012 and which country was the largest supplier? What was the total demand of Pd in 2012?
5. What was the 2012 demand for Rh, Ru, & Ir? How do volumes for these compare to Pd & Pt?
6. What was the main reason for the decline of Ir demand in 2012?
7. Which PGM isn't discussed? Any thoughts on why?

4.1m, dec

jewel - 2.78m ounces, industrial - 1.57, Total - 6 million ounces

Autocatalyst. Russia. 9.89m ounce

Rh - 966000, Ru - 679000, Ir - 178000. Volume smaller

IR crucible for sapphire growing came to an end

Os - maybe it is too rare?

Supplies from N. America

1. What are the three primary producers of PGE in North America?
2. How many regions produce PGE from mines in Canada?
3. Xstrata and Vale produce PGM as by-products of which base metal in their Canadian operations?

2, Xstrata and Vale

Lac des Iles (LDI), still water (2)

nickel

Platinum Uses

This section is to get you to identify the main uses of platinum – use of Pd is similar, while the other PGEs tend to have more specific applications. We'll just look at Pt.

1. What is the single most important consumer for Pt (and by extension the other PGEs)?
2. Did that market grow or decline since 2011?

autocatalyst

grow

China

3. Which geographic region used the most platinum to produce autocatalysts?
4. Which two main factors drove demand of platinum jewellery in 2012?
5. Which country consumed the most platinum in 2012?
6. In which jewellery market in North America did the demand for platinum increase by ~1%? Why?
7. What “other” applications saw demand decline in 2012, as compared to 2011?
8. Did platinum demand for the use of coins and small bars increase or decrease in 2012? How does this compare with the overall demand for platinum investment?

Chinese increase, increase stocks due to low prices

white gold

electrical, jewellery

increase(american product), overall is decrease